# *SOUTH POINT FORMER COMPRESSOR STATION CHARACTERIZATION REPORT*

*Fayette Township, Lawrence County, Ohio*

*18 September 2001*
*Revision I 12 December 2001*

*Prepared for Columbia Gas Transmission Corporation*

*By:*

*IT Corporation*
*Environmental Standards, Inc.*

# *2.0 ENVIRONMENTAL SETTING*

## *2.1 Physical Setting*

The site is situated on an approximate 4.4-acre parcel of land located in Fayette Township in Lawrence County, Ohio. The site is approximately 1.2 miles northeast of South Point, Ohio and approximately 2 miles northeast of the Ohio River. Moderate to gently sloping hills characterizes the topography of the area. Based on the USGS topographic map (Figure 1-1), the site elevation is approximately 580 feet above mean sea level (AMSL). Topographic relief in the area is moderate; ridges within one mile of the station reach elevations of 900 feet AMSL.

## *2.2 Climate*

The climate of Lawrence County is humid and temperate. Temperature and precipitation data was recorded at Ironton, Ohio during the period 1951 to 1982. In winter, the average temperature is 35 degrees Fahrenheit (°F) and the average daily minimum temperature is 25 °F. In the summer, the average temperature is 75 °F and the average daily maximum temperature is 87 °F. Total annual precipitation is about 42 inches. (Soil Survey of Lawrence County, Ohio, 1998).

## *2.3 Surface Water Hydrology*

The South Point Former Compressor Station is adjacent to Solida Creek, a tributary of the Ohio River. Solida Creek flows approximately 2 miles southwest to its confluence with the Ohio River at South Point. Surface water drainage across the site is generally towards the east and ultimately to Solida Creek. A drainage culvert crosses Solida Road near the northern property boundary and directs surface runoff across the northern part of the property towards Solida Creek. Some of the runoff appears to divert towards a wet area near the creek bank. A 4-inch Polyvinyl Chloride (PVC) pipe apparently was installed below ground in the wet area to promote drainage. Old plant drawings show numerous drainage pipes with discharge outlets at the creek bank. Only one drain pipe was identified (4” drainline). It is not certain that it is the same pipe shown on the map and the identified pipe did not appear to discharge water. The location and presence of any drain pipes connected to the catch basin or sump/catch basin are uncertain.

## *2.4 Geology and Soils*

The site lies at or near the contact between the Conemaugh Group and the underlying Allegheny Formation. Both of these units are Pennsylvanian age sedimentary rocks composed of shale, sandstone, limestone, and coal. The average regional thickness of the Allegheny Formation is about 212 feet. (Figure 2-1, Site Geology Map).


## LEGEND:

PALEOZOIC SYSTEMS

PERMAIN

Pd — Dunkard

Shales, sandstones and coal.

PENNSYLVANIANIAN

Pm — Monongahela

Coal, shales and sandstones.

Pc — Conemaugh

Shales, sandstones, coal and limestone.

Pp8a — Pottsville and Allegheny

Coal, sandstone, shales and limestone.

MISSISSIPPIAN

Mw&m — Waverly and Maxville

Shales, sandstones and limestone.

REFERENCE:

GEOLOGIC MAP OF OHIO, PROVIDED BY THE DEPARTMENT OF NATURAL RESOURCES, A DIVISION OF GEOLOGICAL SURVEY, A REPRINT OF 1981, SCALE: 1:500,000.


APPROXIMATE SCALE

0 8 16 MILES

IT CORPORATION

COLUMBIA GAS
TRANSMISSION CORPORATION

FIGURE 2-1

GEOLOGIC SITE MAP

SOUTH POINT COMPRESSOR STATION
LAWRENCE COUNTY, OHIO

| OFFICE | DRAWN BY | CHECKED BY | APPROVED BY | DRAWING NUMBER |
|---|---|---|---|---|
| PGH | R. Weible 12 MAY 00 | | | 805903-B2 |

O:\Project\Columbia Gas\SouthPoint\805903b2.dwg
Plot Date/Time: 08/21/01 10:57am Image: GEOLOGIC-1
Plotted by: rmockenhaupt Xref: . LEGEND-1

The Lawrence County Soil Survey describes soils in the vicinity of the site as the Kanawha Silt Loam and the Chagrin Loam. The Chagrin Loam is formed along the banks of Solida Creek and is frequently flooded. The Kanawha series soils consist of deep, well-drained soils on terrace remnants and alluvial fans. These soils formed in loamy alluvium. Permeability is moderate and the slope of the land ranges from 2 to 12 percent. The Chagrin series consists of deep, well-drained soils on flood plains. These soils formed in recent loamy alluvium. Permeability is moderate and the slope of the land ranges from 0 to 3 percent (Soil Survey of Lawrence County, Ohio, 1998).

### *2.5 Hydrogeology and Groundwater Quality*

Groundwater in the area flows through and is stored in the natural porosity of unconsolidated alluvium and consolidated bedrock. Porosity in alluvial sediments results from intergranular pore spaces. In consolidated rock, these pore spaces are reduced substantially through compaction and cementation, while porosity attributable to joints and bedding plane partings (secondary porosity) becomes significant.

About two-thirds of the documented water wells within a 5-mile radius of the site are in alluvial deposits, particularly those along the Ohio River. These wells according to sources available have depths ranging from 57 to 114 feet, with an average depth of 73 feet. Well yields average 175 gallons per minute (gpm).

Documented bedrock wells within 5 miles of the station have depths ranging from 26 to 119 feet, with an average depth of 64 feet. Their average yield is 2 gpm; dry wells are common, and the highest yield noted is 15 gpm. (Dames & Moore, December 1993).

Well records obtained from Banks Information Solutions, Inc. (Banks) indicated that there is one domestic well located within a 0.5-mile radius of site. The well is cased to shale bedrock at 29 feet and is completed with an open hole to 90 feet bgs. The well is located approximately 0.3 miles northeast (estimated to be upgradient) of the site. Well completion data can be found in Appendix C (Banks Information Solutions Inc. Report).

An approximate groundwater flow direction is depicted on Figure 1-2 based on surface topography. The groundwater flow direction shown on the map is not based on the collection of field data, and thus, may not represent actual conditions.

### *2.6 Ecological Zones*

The operational portion of the South Point former compressor station is estimated to be approximately 4.4 acres. A level one ecological assessment (literature review) was performed

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | 0 | | | | | |
| | | PRA Description | BACKGROUND | | | | | |
| | | Sample Type | Normal Sample | | | | | |
| | | Sample Id | SOP-ASB001-70001 | | SOP-ASB001-70002 | | SOP-ASB002-70001 | |
| | | Depth - ft bgs | 0 - 1 | | 2 - 3 | | 0 - 1 | |
| | | Collected Date | 07/26/00 | | 07/26/00 | | 07/26/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | 0.034 | | 0.021 | | 0.043 | |
| | ACETONE | 7800 | ND | | ND | | ND | |
| BNA | NAPHTHALENE | 1600 | ND | | ND | | ND | |
| | ACENAPHTHYLENE | 4700 | ND | | ND | | ND | |
| | ACENAPHTHENE | 4700 | ND | | ND | | ND | |
| | FLUORENE | 3100 | ND | | ND | | ND | |
| | PHENANTHRENE | 23000 | ND | | ND | | ND | |
| | ANTHRACENE | 23000 | ND | | ND | | ND | |
| | FLUORANTHENE | 3100 | ND | | ND | | 0.43 | |
| | PYRENE | 2300 | ND | | ND | | 0.39 | |
| | BENZO(A)ANTHRACENE | .87 | ND | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | ND | | ND | | 0.40 | |
| | CHRYSENE | 87 | ND | | ND | | ND | |
| | BENZO(K)FLUORANTHENE | 8.7 | ND | | ND | | ND | |
| | BENZO(A)PYRENE | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | 0 | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | BACKGROUND | | | | | |
| | | Sample Type | Normal Sample | | | | | |
| | | Sample Id | SOP-ASB001-70001 | | SOP-ASB001-70002 | | SOP-ASB002-70001 | |
| | | Depth - ft bgs | 0 - 1 | | 2 - 3 | | 0 - 1 | |
| | | Collected Date | 07/26/00 | | 07/26/00 | | 07/26/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | ND | | ND | | ND | |
| | BENZO(G,H,I)PERYLENE | 2300 | ND | | ND | | ND | |
| | INDENO(1,2,3-CD)PYRENE | .87 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| | AROCLOR-1260 | 1 | ND | | ND | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | ND | | ND | | ND | |
| | BARIUM, TOTAL | 5500 | 126 | | 118 | | 107 | |
| | BERYLLIUM, TOTAL | 160 | ND | | ND | | ND | |
| | CADMIUM, TOTAL | 39 | ND | | ND | | ND | |
| | CHROMIUM, TOTAL | 230 | 18.1 | | 17.5 | | 13.6 | |
| | LEAD, TOTAL | 400 | ND | | ND | | ND | |
| | NICKEL, TOTAL | 1600 | 20.9 | | 20.0 | | 15.3 | |
| | MERCURY, TOTAL | 20 | ND | | ND | | ND | |
| | ARSENIC, TOTAL | .43 | 8.4 | X | 7.9 | X | 7.8 | X |

Notes:

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# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB002-70002** | | **SOP-ASB003-70001** | | **SOP-ASB003-70002** | |
| | | Depth - ft bgs | **2 - 3** | | **0 - 1** | | **2 - 3** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | 0.013 | | 0.026 | | 0.021 | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **NAPHTHALENE** | 1600 | ND | | ND | | ND | |
| | **ACENAPHTHYLENE** | 4700 | ND | | ND | | ND | |
| | **ACENAPHTHENE** | 4700 | ND | | ND | | ND | |
| | **FLUORENE** | 3100 | ND | | ND | | ND | |
| | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **ANTHRACENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | ND | | ND | | ND | |
| | **BENZO(A)PYRENE** | .087 | ND | | ND | | ND | |

Notes:

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| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB002-70002** | | **SOP-ASB003-70001** | | **SOP-ASB003-70002** | |
| | | Depth - ft bgs | **2 - 3** | | **0 - 1** | | **2 - 3** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | ND | | ND | | ND | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | ND | | ND | | ND | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | ND | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | ND | | ND | | ND | |
| | **BARIUM, TOTAL** | 5500 | 128 | | 106 | | 140 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 12.7 | | 15.8 | | 17.6 | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 14.7 | | 17.4 | | 21.5 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 8.7 | X | 6.9 | X | 7.6 | X |

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| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB004-70001** | | **SOP-ASB004-70002** | | **SOP-ASB005-70001** | |
| | | Depth - ft bgs | **0 - 1** | | **2 - 3** | | **0 - 1** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | 0.041 J | | 0.027 | | 0.016 | |
| | **ACETONE** | 7800 | 0.18 J | | ND | | ND | |
| **BNA** | **NAPHTHALENE** | 1600 | ND | | ND | | ND | |
| | **ACENAPHTHYLENE** | 4700 | ND | | ND | | ND | |
| | **ACENAPHTHENE** | 4700 | ND | | ND | | ND | |
| | **FLUORENE** | 3100 | ND | | ND | | ND | |
| | **PHENANTHRENE** | 23000 | ND | | ND | | 0.43 | |
| | **ANTHRACENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | 0.50 | | ND | | 0.86 | |
| | **PYRENE** | 2300 | 0.44 | | ND | | 0.71 | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | 0.43 | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | ND | | ND | | ND | |
| | **BENZO(A)PYRENE** | .087 | ND | | ND | | ND | |

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| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB004-70001** | | **SOP-ASB004-70002** | | **SOP-ASB005-70001** | |
| | | Depth - ft bgs | **0 - 1** | | **2 - 3** | | **0 - 1** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | ND | | ND | | ND | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | ND | | ND | | ND | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | 0.082 | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | ND | | ND | | ND | |
| | **BARIUM, TOTAL** | 5500 | 112 | | 119 | | 102 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 15.7 | | 21.0 | | 13.5 | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 17.1 | | 20.7 | | 15.8 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 9.4 | X | 7.8 | X | 8.0 | X |

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| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB005-70002** | | **SOP-ASS001-40001** | | **SOP-ASS002-40001** | |
| | | Depth - ft bgs | **2 - 3** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **07/26/00** | | **07/25/00** | | **07/25/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | 0.013 J | | ND | | ND | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **NAPHTHALENE** | 1600 | ND | | ND | | ND | |
| | **ACENAPHTHYLENE** | 4700 | ND | | ND | | ND | |
| | **ACENAPHTHENE** | 4700 | ND | | ND | | ND | |
| | **FLUORENE** | 3100 | ND | | ND | | ND | |
| | **PHENANTHRENE** | 23000 | ND | | 1.7 | | 0.66 | |
| | **ANTHRACENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | 4.1 | | 1.3 | |
| | **PYRENE** | 2300 | ND | | 3.9 | | 1.2 | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | 1.5 | X | 0.44 | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | 2.5 | X | 0.71 | |
| | **CHRYSENE** | 87 | ND | | 2.1 | | 0.62 | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | ND | | 1.1 | | ND | |
| | **BENZO(A)PYRENE** | .087 | ND | | 1.8 | X | 0.52 | X |

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# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB005-70002** | | **SOP-ASS001-40001** | | **SOP-ASS002-40001** | |
| | | Depth - ft bgs | **2 - 3** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **07/26/00** | | **07/25/00** | | **07/25/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | ND | | ND | | ND | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | ND | | 1.4 | | ND | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | ND | | 1.5 | X | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | ND | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | ND | | ND | | ND | |
| | **BARIUM, TOTAL** | 5500 | 143 | | 113 | | 93.9 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 15.7 | | 16.0 | | 14.6 | |
| | **LEAD, TOTAL** | 400 | ND | | 35.9 | | 24.4 | |
| | **NICKEL, TOTAL** | 1600 | 18.1 | | 17.6 | | 15.4 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 7.0 | X | 8.8 | X | 7.5 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASS003-40001** | | **SOP-ASS004-40001** | | **SOP-ASS005-40001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **07/25/00** | | **07/25/00** | | **07/25/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | ND | | ND | | ND | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **NAPHTHALENE** | 1600 | ND | | ND | | ND | |
| | **ACENAPHTHYLENE** | 4700 | ND | | ND | | ND | |
| | **ACENAPHTHENE** | 4700 | ND | | ND | | ND | |
| | **FLUORENE** | 3100 | ND | | ND | | ND | |
| | **PHENANTHRENE** | 23000 | ND | | ND | | 1.2 | |
| | **ANTHRACENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | 0.75 | | 2.2 | |
| | **PYRENE** | 2300 | ND | | 0.72 | | 2.0 | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | 0.83 | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | 0.75 | | 1.2 | X |
| | **CHRYSENE** | 87 | ND | | 0.56 | | 1.1 | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | ND | | ND | | 0.52 | |
| | **BENZO(A)PYRENE** | .087 | ND | | 0.44 | X | 0.98 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASS003-40001** | | **SOP-ASS004-40001** | | **SOP-ASS005-40001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **07/25/00** | | **07/25/00** | | **07/25/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | ND | | ND | | ND | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | ND | | ND | | 0.71 | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | ND | | ND | | 0.74 | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | ND | | 0.058 | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | ND | | ND | | ND | |
| | **BARIUM, TOTAL** | 5500 | 158 | | 217 | | 107 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | 1.5 | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 20.1 | | 20.9 | | 13.6 | |
| | **LEAD, TOTAL** | 400 | 39.0 | | 46.2 | | ND | |
| | **NICKEL, TOTAL** | 1600 | 23.9 | | 30.1 | | 16.8 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 11.2 | X | 13.4 | X | 8.3 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | **RANDOM PCBS** | | | | | |
| | | Sample Type | **Normal Sample** | | | | | |
| | | Sample Id | **SOP-ASS006-40001** | | **SOP-ASS007-40001** | | **SOP-ASS008-40001** | |
| | | Depth - ft bgs | **0 - 0.5** | | **0 - 0.5** | | **0 - 0.5** | |
| | | Collected Date | **07/24/00** | | **07/24/00** | | **07/24/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | | | | | | |
| | **XYLENE (TOTAL)** | 1000000 | | | | | | |
| | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **NAPHTHALENE** | 1600 | | | | | | |
| | **ACENAPHTHYLENE** | 4700 | | | | | | |
| | **ACENAPHTHENE** | 4700 | | | | | | |
| | **FLUORENE** | 3100 | | | | | | |
| | **PHENANTHRENE** | 23000 | | | | | | |
| | **ANTHRACENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | | | | | | |
| | **BENZO(A)PYRENE** | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | **RANDOM PCBS** | | | | | |
| | | Sample Type | **Normal Sample** | | | | | |
| | | Sample Id | **SOP-ASS006-40001** | | **SOP-ASS007-40001** | | **SOP-ASS008-40001** | |
| | | Depth - ft bgs | **0 - 0.5** | | **0 - 0.5** | | **0 - 0.5** | |
| | | Collected Date | **07/24/00** | | **07/24/00** | | **07/24/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | | | | | | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | | | | | | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | ND | | ND | | 0.074 | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | | | | | | |
| | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 1 | | | |
| | | PRA Description | | | FORMER 5000 GAL PIPELINE LIQUID AT | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | SOP-ASS009-40001 | | SOP-ASB018-70001 | | SOP-ASB018-70002 | |
| | | Depth - ft bgs | 0 - 0.5 | | 0 - 1 | | 2 - 2.5 | |
| | | Collected Date | 07/24/00 | | 07/27/00 | | 07/27/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | NAPHTHALENE | 1600 | | | | | | |
| | ACENAPHTHYLENE | 4700 | | | | | | |
| | ACENAPHTHENE | 4700 | | | | | | |
| | FLUORENE | 3100 | | | | | | |
| | PHENANTHRENE | 23000 | | | | | | |
| | ANTHRACENE | 23000 | | | | | | |
| | FLUORANTHENE | 3100 | | | | | | |
| | PYRENE | 2300 | | | | | | |
| | BENZO(A)ANTHRACENE | .87 | | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | | |
| | CHRYSENE | 87 | | | | | | |
| | BENZO(K)FLUORANTHENE | 8.7 | | | | | | |
| | BENZO(A)PYRENE | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 1 | | | |
| | | PRA Description | | | FORMER 5000 GAL PIPELINE LIQUID AT | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | SOP-ASS009-40001 | | SOP-ASB018-70001 | | SOP-ASB018-70002 | |
| | | Depth - ft bgs | 0 - 0.5 | | 0 - 1 | | 2 - 2.5 | |
| | | Collected Date | 07/24/00 | | 07/27/00 | | 07/27/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | | | | | | |
| | BENZO(G,H,I)PERYLENE | 2300 | | | | | | |
| | INDENO(1,2,3-CD)PYRENE | .87 | | | | | | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| | AROCLOR-1260 | 1 | 0.053 | | ND | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | | | | | | |
| | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 2 | | 3 | |
| | | PRA Description | | | FORMER 500 GAL WASTE OIL | | FORMER 2750 ANTIFREEZE AT | |
| | | Sample Type | | | Normal Sample | | Normal Sample | |
| | | Sample Id | SOP-ASB018-70003 | | SOP-ASB019-70001 | | SOP-ASB020-70001 | |
| | | Depth - ft bgs | 3 - 4 | | 4 - 5 | | 0 - 1 | |
| | | Collected Date | 07/27/00 | | 07/27/00 | | 07/27/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | NAPHTHALENE | 1600 | | | ND | | ND | |
| | ACENAPHTHYLENE | 4700 | | | ND | | ND | |
| | ACENAPHTHENE | 4700 | | | ND | | ND | |
| | FLUORENE | 3100 | | | ND | | ND | |
| | PHENANTHRENE | 23000 | | | ND | | 0.44 | |
| | ANTHRACENE | 23000 | | | ND | | ND | |
| | FLUORANTHENE | 3100 | | | ND | | 0.94 | |
| | PYRENE | 2300 | | | ND | | 0.83 | |
| | BENZO(A)ANTHRACENE | .87 | | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | | | ND | | 0.44 | |
| | CHRYSENE | 87 | | | ND | | ND | |
| | BENZO(K)FLUORANTHENE | 8.7 | | | ND | | ND | |
| | BENZO(A)PYRENE | .087 | | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | PRA | | | 2 | | 3 | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | FORMER 500 GAL WASTE OIL | | FORMER 2750 ANTIFREEZE AT | |
| | | Sample Type | | | Normal Sample | | Normal Sample | |
| | | Sample Id | SOP-ASB018-70003 | | SOP-ASB019-70001 | | SOP-ASB020-70001 | |
| | | Depth - ft bgs | 3 - 4 | | 4 - 5 | | 0 - 1 | |
| | | Collected Date | 07/27/00 | | 07/27/00 | | 07/27/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | | | ND | | ND | |
| | BENZO(G,H,I)PERYLENE | 2300 | | | ND | | ND | |
| | INDENO(1,2,3-CD)PYRENE | .87 | | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| | AROCLOR-1260 | 1 | ND | | ND | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | | | | | | |
| | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | ND | | 25.2 | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | **/2500OIL UT** | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB020-70002** | | **SOP-ASB020-70003** | | **SOP-ASB020-70004** | |
| | | Depth - ft bgs | **2 - 2.5** | | **3.5 - 4** | | **5 - 6** | |
| | | Collected Date | **07/27/00** | | **07/27/00** | | **07/27/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **NAPHTHALENE** | 1600 | ND | | ND | | ND | |
| | **ACENAPHTHYLENE** | 4700 | ND | | ND | | ND | |
| | **ACENAPHTHENE** | 4700 | ND | | ND | | ND | |
| | **FLUORENE** | 3100 | ND | | ND | | ND | |
| | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **ANTHRACENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | ND | | ND | | ND | |
| | **BENZO(A)PYRENE** | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | **/2500OIL UT** | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB020-70002** | | **SOP-ASB020-70003** | | **SOP-ASB020-70004** | |
| | | Depth - ft bgs | **2 - 2.5** | | **3.5 - 4** | | **5 - 6** | |
| | | Collected Date | **07/27/00** | | **07/27/00** | | **07/27/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | ND | | ND | | ND | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | ND | | ND | | ND | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | ND | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | | | | | | |
| | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB021-70001** | | **SOP-ASB021-70002** | | **SOP-ASB021-70003** | |
| | | Depth - ft bgs | **0 - 1** | | **2 - 2.5** | | **3.5 - 4** | |
| | | Collected Date | **07/27/00** | | **07/27/00** | | **07/27/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **NAPHTHALENE** | 1600 | ND | | ND | | ND | |
| | **ACENAPHTHYLENE** | 4700 | ND | | ND | | ND | |
| | **ACENAPHTHENE** | 4700 | ND | | ND | | ND | |
| | **FLUORENE** | 3100 | ND | | ND | | ND | |
| | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **ANTHRACENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | ND | | ND | | ND | |
| | **BENZO(A)PYRENE** | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB021-70001** | | **SOP-ASB021-70002** | | **SOP-ASB021-70003** | |
| | | Depth - ft bgs | **0 - 1** | | **2 - 2.5** | | **3.5 - 4** | |
| | | Collected Date | **07/27/00** | | **07/27/00** | | **07/27/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | ND | | ND | | ND | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | ND | | ND | | ND | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | ND | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | | | | | | |
| | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 4 | | 5 | |
| | | PRA Description | | | FORMER 1800 GAL NEW OIL/P | | FORMER 2000 GAL NEW OIL/P | |
| | | Sample Type | | | Normal Sample | | Normal Sample | |
| | | Sample Id | SOP-ASB021-70004 | | SOP-ASB022-70001 | | SOP-ASB023-70001 | |
| | | Depth - ft bgs | 5 - 6 | | 4 - 5 | | 5 - 6 | |
| | | Collected Date | 07/27/00 | | 07/27/00 | | 07/27/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | NAPHTHALENE | 1600 | ND | | ND | | ND | |
| | ACENAPHTHYLENE | 4700 | ND | | ND | | ND | |
| | ACENAPHTHENE | 4700 | ND | | ND | | ND | |
| | FLUORENE | 3100 | ND | | ND | | ND | |
| | PHENANTHRENE | 23000 | ND | | ND | | ND | |
| | ANTHRACENE | 23000 | ND | | ND | | ND | |
| | FLUORANTHENE | 3100 | ND | | ND | | ND | |
| | PYRENE | 2300 | ND | | ND | | ND | |
| | BENZO(A)ANTHRACENE | .87 | ND | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | ND | | ND | | ND | |
| | CHRYSENE | 87 | ND | | ND | | ND | |
| | BENZO(K)FLUORANTHENE | 8.7 | ND | | ND | | ND | |
| | BENZO(A)PYRENE | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | 4 | | 5 | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | FORMER 1800 GAL NEW OIL/P | | FORMER 2000 GAL NEW OIL/P | |
| | | Sample Type | | | Normal Sample | | Normal Sample | |
| | | Sample Id | SOP-ASB021-70004 | | SOP-ASB022-70001 | | SOP-ASB023-70001 | |
| | | Depth - ft bgs | 5 - 6 | | 4 - 5 | | 5 - 6 | |
| | | Collected Date | 07/27/00 | | 07/27/00 | | 07/27/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | ND | | ND | | ND | |
| | BENZO(G,H,I)PERYLENE | 2300 | ND | | ND | | ND | |
| | INDENO(1,2,3-CD)PYRENE | .87 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| | AROCLOR-1260 | 1 | ND | | ND | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | | | | | | |
| | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | ND | | ND | | ND | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | PRA | 6 | | | | 7 | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | FORMER TRANSFORMER AREA | | | | FORMER BURN PIT/TRASH ARI | |
| | | Sample Type | Normal Sample | | | | Normal Sample | |
| | | Sample Id | SOP-ASS010-40001 | | SOP-ASS011-40001 | | SOP-ASB006-70001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/26/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | | | | | ND | |
| | XYLENE (TOTAL) | 1000000 | | | | | ND | |
| | METHYLENE CHLORIDE | 85 | | | | | 0.009 | |
| | ACETONE | 7800 | | | | | ND | |
| BNA | NAPHTHALENE | 1600 | | | | | ND | |
| | ACENAPHTHYLENE | 4700 | | | | | ND | |
| | ACENAPHTHENE | 4700 | | | | | ND | |
| | FLUORENE | 3100 | | | | | ND | |
| | PHENANTHRENE | 23000 | | | | | ND | |
| | ANTHRACENE | 23000 | | | | | ND | |
| | FLUORANTHENE | 3100 | | | | | 0.50 | |
| | PYRENE | 2300 | | | | | 0.40 | |
| | BENZO(A)ANTHRACENE | .87 | | | | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | ND | |
| | CHRYSENE | 87 | | | | | ND | |
| | BENZO(K)FLUORANTHENE | 8.7 | | | | | ND | |
| | BENZO(A)PYRENE | .087 | | | | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | PRA | 6 | | | | 7 | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | FORMER TRANSFORMER AREA | | | | FORMER BURN PIT/TRASH ARI | |
| | | Sample Type | Normal Sample | | | | Normal Sample | |
| | | Sample Id | SOP-ASS010-40001 | | SOP-ASS011-40001 | | SOP-ASB006-70001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/26/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | | | | | ND | |
| | BENZO(G,H,I)PERYLENE | 2300 | | | | | ND | |
| | INDENO(1,2,3-CD)PYRENE | .87 | | | | | ND | |
| P/PCB | AROCLOR-1254 | 1 | 46 | X | ND | | 0.16 | |
| | AROCLOR-1260 | 1 | 15 J | X | 0.15 | | 0.064 | |
| METAL | ANTIMONY, TOTAL | 31 | | | | | ND | |
| | BARIUM, TOTAL | 5500 | | | | | 104 | |
| | BERYLLIUM, TOTAL | 160 | | | | | ND | |
| | CADMIUM, TOTAL | 39 | | | | | ND | |
| | CHROMIUM, TOTAL | 230 | | | | | 16.4 | |
| | LEAD, TOTAL | 400 | | | | | ND | |
| | NICKEL, TOTAL | 1600 | | | | | 17.6 | |
| | MERCURY, TOTAL | 20 | | | | | ND | |
| | ARSENIC, TOTAL | .43 | | | | | 7.7 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | EA | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | SOP-ASB006-70002 | | SOP-ASB006-70003 | | SOP-ASB006-70004 | |
| | | Depth - ft bgs | 2 - 2.5 | | 3.5 - 4 | | 4.5 - 5 | |
| | | Collected Date | 07/26/00 | | 07/26/00 | | 07/26/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | 0.020 | | 0.025 | | 0.012 | |
| | ACETONE | 7800 | ND | | ND | | ND | |
| BNA | NAPHTHALENE | 1600 | ND | | ND | | ND | |
| | ACENAPHTHYLENE | 4700 | ND | | ND | | ND | |
| | ACENAPHTHENE | 4700 | ND | | ND | | ND | |
| | FLUORENE | 3100 | ND | | ND | | ND | |
| | PHENANTHRENE | 23000 | ND | | ND | | ND | |
| | ANTHRACENE | 23000 | ND | | ND | | ND | |
| | FLUORANTHENE | 3100 | ND | | ND | | ND | |
| | PYRENE | 2300 | ND | | ND | | ND | |
| | BENZO(A)ANTHRACENE | .87 | ND | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | ND | | ND | | ND | |
| | CHRYSENE | 87 | ND | | ND | | ND | |
| | BENZO(K)FLUORANTHENE | 8.7 | ND | | ND | | ND | |
| | BENZO(A)PYRENE | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | EA | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | SOP-ASB006-70002 | | SOP-ASB006-70003 | | SOP-ASB006-70004 | |
| | | Depth - ft bgs | 2 - 2.5 | | 3.5 - 4 | | 4.5 - 5 | |
| | | Collected Date | 07/26/00 | | 07/26/00 | | 07/26/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | ND | | ND | | ND | |
| | BENZO(G,H,I)PERYLENE | 2300 | ND | | ND | | ND | |
| | INDENO(1,2,3-CD)PYRENE | .87 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| | AROCLOR-1260 | 1 | ND | | ND | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | ND | | ND | | ND | |
| | BARIUM, TOTAL | 5500 | 94.2 | | 96.6 | | 87.1 | |
| | BERYLLIUM, TOTAL | 160 | ND | | ND | | ND | |
| | CADMIUM, TOTAL | 39 | ND | | ND | | ND | |
| | CHROMIUM, TOTAL | 230 | 17.8 | | 18.6 | | 17.6 | |
| | LEAD, TOTAL | 400 | ND | | ND | | ND | |
| | NICKEL, TOTAL | 1600 | 17.3 | | 17.5 | | 16.5 | |
| | MERCURY, TOTAL | 20 | ND | | ND | | ND | |
| | ARSENIC, TOTAL | .43 | 7.8 | X | 10.2 | X | 8.4 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB007-70001** | | **SOP-ASB007-70002** | | **SOP-ASB007-70003** | |
| | | Depth - ft bgs | **0 - 1** | | **2 - 2.5** | | **3.5 - 4** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | 0.029 J | | 0.025 | | 0.019 | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **NAPHTHALENE** | 1600 | ND | | ND | | ND | |
| | **ACENAPHTHYLENE** | 4700 | ND | | ND | | ND | |
| | **ACENAPHTHENE** | 4700 | ND | | ND | | ND | |
| | **FLUORENE** | 3100 | ND | | ND | | ND | |
| | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **ANTHRACENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | ND | | ND | | ND | |
| | **BENZO(A)PYRENE** | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB007-70001** | | **SOP-ASB007-70002** | | **SOP-ASB007-70003** | |
| | | Depth - ft bgs | **0 - 1** | | **2 - 2.5** | | **3.5 - 4** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | ND | | ND | | ND | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | ND | | ND | | ND | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | 5.2 | X | 0.49 | | ND | |
| | **AROCLOR-1260** | 1 | ND | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | ND | | ND | | ND | |
| | **BARIUM, TOTAL** | 5500 | 116 | | 80.5 | | 58.6 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 18.4 | | 14.9 | | 11.9 | |
| | **LEAD, TOTAL** | 400 | 41.5 | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 18.9 | | 15.2 | | ND | |
| | **MERCURY, TOTAL** | 20 | 0.30 | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 7.6 | X | 6.8 | X | 5.9 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB008-70001** | | **SOP-ASB008-70002** | | **SOP-ASB008-70003** | |
| | | Depth - ft bgs | **0 - 1** | | **2 - 2.5** | | **3.5 - 4** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | 0.013 | | ND | | ND | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **NAPHTHALENE** | 1600 | ND | | ND | | ND | |
| | **ACENAPHTHYLENE** | 4700 | ND | | ND | | ND | |
| | **ACENAPHTHENE** | 4700 | ND | | ND | | ND | |
| | **FLUORENE** | 3100 | ND | | ND | | ND | |
| | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **ANTHRACENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | ND | | ND | | ND | |
| | **BENZO(A)PYRENE** | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB008-70001** | | **SOP-ASB008-70002** | | **SOP-ASB008-70003** | |
| | | Depth - ft bgs | **0 - 1** | | **2 - 2.5** | | **3.5 - 4** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | ND | | ND | | ND | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | ND | | ND | | ND | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | 0.34 | | ND | | ND | |
| | **AROCLOR-1260** | 1 | ND | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | ND | | ND | | ND | |
| | **BARIUM, TOTAL** | 5500 | 101 | | 101 | | 81.6 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 18.2 | | 17.5 | | 16.3 | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 19.6 | | 17.2 | | 15.0 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 7.7 | X | 6.7 | X | 7.4 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 8 | | | |
| | | PRA Description | | | FORMER RESERVOIR | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | SOP-ASB008-70004 | | SOP-ASB009-70001 | | SOP-ASB009-70002 | |
| | | Depth - ft bgs | 5 - 5.5 | | 0 - 1 | | 4.5 - 5 | |
| | | Collected Date | 07/26/00 | | 07/26/00 | | 07/26/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | ND | | ND | | ND | |
| | ACETONE | 7800 | ND | | ND | | ND | |
| BNA | NAPHTHALENE | 1600 | ND | | ND | | ND | |
| | ACENAPHTHYLENE | 4700 | ND | | ND | | ND | |
| | ACENAPHTHENE | 4700 | ND | | ND | | ND | |
| | FLUORENE | 3100 | ND | | ND | | ND | |
| | PHENANTHRENE | 23000 | ND | | ND | | ND | |
| | ANTHRACENE | 23000 | ND | | ND | | ND | |
| | FLUORANTHENE | 3100 | ND | | ND | | ND | |
| | PYRENE | 2300 | ND | | ND | | ND | |
| | BENZO(A)ANTHRACENE | .87 | ND | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | ND | | ND | | ND | |
| | CHRYSENE | 87 | ND | | ND | | ND | |
| | BENZO(K)FLUORANTHENE | 8.7 | ND | | ND | | ND | |
| | BENZO(A)PYRENE | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 8 | | | |
| | | PRA Description | | | FORMER RESERVOIR | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | SOP-ASB008-70004 | | SOP-ASB009-70001 | | SOP-ASB009-70002 | |
| | | Depth - ft bgs | 5 - 5.5 | | 0 - 1 | | 4.5 - 5 | |
| | | Collected Date | 07/26/00 | | 07/26/00 | | 07/26/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | ND | | ND | | ND | |
| | BENZO(G,H,I)PERYLENE | 2300 | ND | | ND | | ND | |
| | INDENO(1,2,3-CD)PYRENE | .87 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| | AROCLOR-1260 | 1 | ND | | ND | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | ND | | ND | | ND | |
| | BARIUM, TOTAL | 5500 | 63.0 | | 96.0 | | 106 | |
| | BERYLLIUM, TOTAL | 160 | ND | | ND | | ND | |
| | CADMIUM, TOTAL | 39 | ND | | ND | | ND | |
| | CHROMIUM, TOTAL | 230 | 26.9 | | 17.7 | | 18.4 | |
| | LEAD, TOTAL | 400 | ND | | ND | | ND | |
| | NICKEL, TOTAL | 1600 | ND | | 17.2 | | 18.2 | |
| | MERCURY, TOTAL | 20 | ND | | ND | | ND | |
| | ARSENIC, TOTAL | .43 | 5.2 | X | 7.1 | X | 9.2 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB009-70003** | | **SOP-ASB010-70001** | | **SOP-ASB010-70002** | |
| | | Depth - ft bgs | **6 - 7** | | **0 - 1** | | **4.5 - 5** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | 0.009 | | 0.007 | | 0.008 | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **NAPHTHALENE** | 1600 | ND | | ND | | ND | |
| | **ACENAPHTHYLENE** | 4700 | ND | | ND | | ND | |
| | **ACENAPHTHENE** | 4700 | ND | | ND | | ND | |
| | **FLUORENE** | 3100 | ND | | ND | | ND | |
| | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **ANTHRACENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | ND | | ND | | ND | |
| | **BENZO(A)PYRENE** | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB009-70003** | | **SOP-ASB010-70001** | | **SOP-ASB010-70002** | |
| | | Depth - ft bgs | **6 - 7** | | **0 - 1** | | **4.5 - 5** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | ND | | ND | | ND | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | ND | | ND | | ND | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | ND | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | ND | | ND | | ND | |
| | **BARIUM, TOTAL** | 5500 | 51.0 | | 101 | | 80.6 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 11.7 | | 21.4 | | 16.6 | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | ND | | 15.3 | | 14.7 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 2.1 | X | 18.2 | X | 7.0 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB010-70003** | | **SOP-ASB011-70001** | | **SOP-ASB011-70002** | |
| | | Depth - ft bgs | **7.5 - 8** | | **0 - 1** | | **5 - 6** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | 0.014 | | ND | | 0.006 | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **NAPHTHALENE** | 1600 | ND | | ND | | ND | |
| | **ACENAPHTHYLENE** | 4700 | ND | | ND | | ND | |
| | **ACENAPHTHENE** | 4700 | ND | | ND | | ND | |
| | **FLUORENE** | 3100 | ND | | ND | | ND | |
| | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **ANTHRACENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | ND | | ND | | ND | |
| | **BENZO(A)PYRENE** | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB010-70003** | | **SOP-ASB011-70001** | | **SOP-ASB011-70002** | |
| | | Depth - ft bgs | **7.5 - 8** | | **0 - 1** | | **5 - 6** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | ND | | ND | | ND | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | ND | | ND | | ND | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | ND | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | ND | | ND | | ND | |
| | **BARIUM, TOTAL** | 5500 | 31.2 | | 91.6 | | 37.8 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 7.6 | | 16.3 | | 9.4 | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | ND | | 14.8 | | ND | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 3.7 | X | 6.5 | X | 4.0 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB012-70001** | | **SOP-ASB012-70002** | | **SOP-ASB012-70003** | |
| | | Depth - ft bgs | **0 - 1** | | **4.5 - 5** | | **7.5 - 8** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | 0.007 | | 0.007 | | 0.008 | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **NAPHTHALENE** | 1600 | ND | | ND | | ND | |
| | **ACENAPHTHYLENE** | 4700 | ND | | ND | | ND | |
| | **ACENAPHTHENE** | 4700 | ND | | ND | | ND | |
| | **FLUORENE** | 3100 | ND | | ND | | ND | |
| | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **ANTHRACENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | ND | | ND | | ND | |
| | **BENZO(A)PYRENE** | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB012-70001** | | **SOP-ASB012-70002** | | **SOP-ASB012-70003** | |
| | | Depth - ft bgs | **0 - 1** | | **4.5 - 5** | | **7.5 - 8** | |
| | | Collected Date | **07/26/00** | | **07/26/00** | | **07/26/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | ND | | ND | | ND | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | ND | | ND | | ND | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | ND | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | ND | | ND | | ND | |
| | **BARIUM, TOTAL** | 5500 | 113 | | 53.7 | | 49.1 | |
| | **BERYLLIUM, TOTAL** | 160 | 1.2 | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 17.1 | | 14.1 | | 13.0 | |
| | **LEAD, TOTAL** | 400 | ND | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 15.5 | | ND | | ND | |
| | **MERCURY, TOTAL** | 20 | 1.9 J | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 6.6 | X | 6.1 | X | 5.1 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | 9 | | | | | |
| | | PRA Description | SOLIDA CREEK | | | | | |
| | | Sample Type | Field Duplicate (Rep) | | Normal Sample | | | |
| | | Sample Id | SOP-ASD001-31001 | | SOP-ASD001-30001 | | SOP-ASD002-30001 | |
| | | Depth - ft bgs | 0 - 0 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | ND | | ND | | ND | |
| | ACETONE | 7800 | ND | | ND | | ND | |
| BNA | NAPHTHALENE | 1600 | ND | | ND | | ND | |
| | ACENAPHTHYLENE | 4700 | ND | | ND | | ND | |
| | ACENAPHTHENE | 4700 | ND | | ND | | ND | |
| | FLUORENE | 3100 | ND | | ND | | ND | |
| | PHENANTHRENE | 23000 | ND | | ND | | ND | |
| | ANTHRACENE | 23000 | ND | | ND | | ND | |
| | FLUORANTHENE | 3100 | ND | | 0.47 | | ND | |
| | PYRENE | 2300 | ND | | ND | | ND | |
| | BENZO(A)ANTHRACENE | .87 | ND | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | ND | | ND | | ND | |
| | CHRYSENE | 87 | ND | | ND | | ND | |
| | BENZO(K)FLUORANTHENE | 8.7 | ND | | ND | | ND | |
| | BENZO(A)PYRENE | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | 9 | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | SOLIDA CREEK | | | | | |
| | | Sample Type | Field Duplicate (Rep) | | Normal Sample | | | |
| | | Sample Id | SOP-ASD001-31001 | | SOP-ASD001-30001 | | SOP-ASD002-30001 | |
| | | Depth - ft bgs | 0 - 0 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | ND | | ND | | ND | |
| | BENZO(G,H,I)PERYLENE | 2300 | ND | | ND | | ND | |
| | INDENO(1,2,3-CD)PYRENE | .87 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | 0.094 | | ND | | ND | |
| | AROCLOR-1260 | 1 | ND | | ND | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | ND | | ND | | ND | |
| | BARIUM, TOTAL | 5500 | 95.3 | | 101 | | 99.8 | |
| | BERYLLIUM, TOTAL | 160 | 1.5 | | 1.9 | | ND | |
| | CADMIUM, TOTAL | 39 | ND | | ND | | ND | |
| | CHROMIUM, TOTAL | 230 | 20.3 | | 22.6 | | 23.6 | |
| | LEAD, TOTAL | 400 | ND | | ND | | ND | |
| | NICKEL, TOTAL | 1600 | 18.2 | | 24.6 | | 28.2 | |
| | MERCURY, TOTAL | 20 | ND | | ND | | ND | |
| | ARSENIC, TOTAL | .43 | 11.8 | X | 14.8 | X | 8.6 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASD003-30001** | | **SOP-ASD004-30001** | | **SOP-ASD005-30001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **07/25/00** | | **07/25/00** | | **07/25/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | ND | | ND | | ND | |
| | **ACETONE** | 7800 | ND | | ND | | ND | |
| **BNA** | **NAPHTHALENE** | 1600 | ND | | ND | | ND | |
| | **ACENAPHTHYLENE** | 4700 | ND | | ND | | ND | |
| | **ACENAPHTHENE** | 4700 | ND | | ND | | ND | |
| | **FLUORENE** | 3100 | ND | | ND | | ND | |
| | **PHENANTHRENE** | 23000 | ND | | ND | | ND | |
| | **ANTHRACENE** | 23000 | ND | | ND | | ND | |
| | **FLUORANTHENE** | 3100 | ND | | ND | | ND | |
| | **PYRENE** | 2300 | ND | | ND | | ND | |
| | **BENZO(A)ANTHRACENE** | .87 | ND | | ND | | ND | |
| | **BENZO(B)FLUORANTHENE** | .87 | ND | | ND | | ND | |
| | **CHRYSENE** | 87 | ND | | ND | | ND | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | ND | | ND | | ND | |
| | **BENZO(A)PYRENE** | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASD003-30001** | | **SOP-ASD004-30001** | | **SOP-ASD005-30001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **07/25/00** | | **07/25/00** | | **07/25/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | ND | | ND | | ND | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | ND | | ND | | ND | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | ND | | ND | | ND | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | ND | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | ND | | ND | | ND | |
| | **BARIUM, TOTAL** | 5500 | 108 | | 114 | | 68.9 | |
| | **BERYLLIUM, TOTAL** | 160 | 1.7 | | 1.4 | | 1.3 | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 33.0 | | 21.5 | | 21.8 | |
| | **LEAD, TOTAL** | 400 | 28.8 | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 24.4 | | 25.8 | | 19.3 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | 17.3 | X | 13.3 | X | 14.4 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | 10 | | | | | |
| | | PRA Description | DRAINAGE CHANNEL | | | | | |
| | | Sample Type | Normal Sample | | | | | |
| | | Sample Id | SOP-ASD006-30001 | | SOP-ASD007-30001 | | SOP-ASD008-30001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | ND | | ND | | ND | |
| | ACETONE | 7800 | ND | | ND | | ND | |
| BNA | NAPHTHALENE | 1600 | ND | | ND | | ND | |
| | ACENAPHTHYLENE | 4700 | 0.76 | | ND | | ND | |
| | ACENAPHTHENE | 4700 | 0.77 | | ND | | ND | |
| | FLUORENE | 3100 | 1.3 | | ND | | ND | |
| | PHENANTHRENE | 23000 | 11 | | ND | | 1.1 | |
| | ANTHRACENE | 23000 | 2.7 | | ND | | ND | |
| | FLUORANTHENE | 3100 | 18 | | ND | | 2.3 | |
| | PYRENE | 2300 | 16 | | ND | | 2.0 | |
| | BENZO(A)ANTHRACENE | .87 | 8.1 | X | ND | | 0.88 | X |
| | BENZO(B)FLUORANTHENE | .87 | 8.5 | X | ND | | 1.3 | X |
| | CHRYSENE | 87 | 9.1 | | ND | | 1.1 | |
| | BENZO(K)FLUORANTHENE | 8.7 | 4.0 | | ND | | 0.59 | |
| | BENZO(A)PYRENE | .087 | 7.0 | X | ND | | 1.0 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | **10** | | | | | |
| | | PRA Description | **DRAINAGE CHANNEL** | | | | | |
| | | Sample Type | **Normal Sample** | | | | | |
| | | Sample Id | **SOP-ASD006-30001** | | **SOP-ASD007-30001** | | **SOP-ASD008-30001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **07/25/00** | | **07/25/00** | | **07/25/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | 1.3 | X | ND | | ND | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | 4.9 | | ND | | 0.78 | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | 5.2 | X | ND | | 0.84 | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | ND | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | ND | | ND | | ND | |
| | **BARIUM, TOTAL** | 5500 | 107 | | 90.9 | | 95.0 | |
| | **BERYLLIUM, TOTAL** | 160 | ND | | ND | | ND | |
| | **CADMIUM, TOTAL** | 39 | ND | | ND | | ND | |
| | **CHROMIUM, TOTAL** | 230 | 15.3 | | 15.1 | | 15.0 | |
| | **LEAD, TOTAL** | 400 | 41.9 | | ND | | ND | |
| | **NICKEL, TOTAL** | 1600 | 20.3 | | 16.8 | | 19.0 | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | 0.43 | |
| | **ARSENIC, TOTAL** | .43 | 7.1 | X | 8.7 | X | 9.2 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | 11 | | | | | |
| | | PRA Description | FORMER CISTERN | | | | | |
| | | Sample Type | Field Duplicate (Rep) | | Normal Sample | | | |
| | | Sample Id | SOP-ASB015-71001 | | SOP-ASB013-70001 | | SOP-ASB014-70001 | |
| | | Depth - ft bgs | 3 - 4 | | 2 - 3 | | 3 - 4 | |
| | | Collected Date | 07/26/00 | | 07/26/00 | | 07/26/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | 0.012 | | ND | | 0.020 J | |
| | ACETONE | 7800 | ND | | ND | | ND | |
| BNA | NAPHTHALENE | 1600 | ND | | ND | | ND | |
| | ACENAPHTHYLENE | 4700 | ND | | ND | | ND | |
| | ACENAPHTHENE | 4700 | ND | | ND | | ND | |
| | FLUORENE | 3100 | ND | | ND | | ND | |
| | PHENANTHRENE | 23000 | ND | | ND | | ND | |
| | ANTHRACENE | 23000 | ND | | ND | | ND | |
| | FLUORANTHENE | 3100 | ND | | ND | | ND | |
| | PYRENE | 2300 | ND | | ND | | ND | |
| | BENZO(A)ANTHRACENE | .87 | ND | | ND | | ND | |
| | BENZO(B)FLUORANTHENE | .87 | ND | | ND | | ND | |
| | CHRYSENE | 87 | ND | | ND | | ND | |
| | BENZO(K)FLUORANTHENE | 8.7 | ND | | ND | | ND | |
| | BENZO(A)PYRENE | .087 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | 11 | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | FORMER CISTERN | | | | | |
| | | Sample Type | Field Duplicate (Rep) | | Normal Sample | | | |
| | | Sample Id | SOP-ASB015-71001 | | SOP-ASB013-70001 | | SOP-ASB014-70001 | |
| | | Depth - ft bgs | 3 - 4 | | 2 - 3 | | 3 - 4 | |
| | | Collected Date | 07/26/00 | | 07/26/00 | | 07/26/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | ND | | ND | | ND | |
| | BENZO(G,H,I)PERYLENE | 2300 | ND | | ND | | ND | |
| | INDENO(1,2,3-CD)PYRENE | .87 | ND | | ND | | ND | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| | AROCLOR-1260 | 1 | ND | | ND | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | ND | | ND | | ND | |
| | BARIUM, TOTAL | 5500 | 94.5 | | 37.0 | | 83.2 | |
| | BERYLLIUM, TOTAL | 160 | ND | | ND | | ND | |
| | CADMIUM, TOTAL | 39 | ND | | ND | | ND | |
| | CHROMIUM, TOTAL | 230 | 15.5 | | 7.9 | | 16.2 | |
| | LEAD, TOTAL | 400 | ND | | ND | | ND | |
| | NICKEL, TOTAL | 1600 | 16.0 | | ND | | 14.5 | |
| | MERCURY, TOTAL | 20 | ND | | ND | | ND | |
| | ARSENIC, TOTAL | .43 | 6.3 | X | 7.3 | X | 5.5 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 12 | | | |
| | | PRA Description | | | FORMER COMPRESSED AIR SYSTEM | | | |
| | | Sample Type | | | Field Duplicate (Rep) | | Normal Sample | |
| | | Sample Id | SOP-ASB015-70001 | | SOP-ACH001-81001 | | SOP-ACH001-80001 | |
| | | Depth - ft bgs | 3 - 4 | | 0 - 0 | | 0 - 0 | |
| | | Collected Date | 07/26/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | | | | |
| | XYLENE (TOTAL) | 1000000 | ND | | | | | |
| | METHYLENE CHLORIDE | 85 | ND | | | | | |
| | ACETONE | 7800 | ND | | | | | |
| BNA | NAPHTHALENE | 1600 | ND | | | | | |
| | ACENAPHTHYLENE | 4700 | ND | | | | | |
| | ACENAPHTHENE | 4700 | ND | | | | | |
| | FLUORENE | 3100 | ND | | | | | |
| | PHENANTHRENE | 23000 | ND | | | | | |
| | ANTHRACENE | 23000 | ND | | | | | |
| | FLUORANTHENE | 3100 | ND | | | | | |
| | PYRENE | 2300 | ND | | | | | |
| | BENZO(A)ANTHRACENE | .87 | ND | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | ND | | | | | |
| | CHRYSENE | 87 | ND | | | | | |
| | BENZO(K)FLUORANTHENE | 8.7 | ND | | | | | |
| | BENZO(A)PYRENE | .087 | ND | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 12 | | | |
| | | PRA Description | | | FORMER COMPRESSED AIR SYSTEM | | | |
| | | Sample Type | | | Field Duplicate (Rep) | | Normal Sample | |
| | | Sample Id | SOP-ASB015-70001 | | SOP-ACH001-81001 | | SOP-ACH001-80001 | |
| | | Depth - ft bgs | 3 - 4 | | 0 - 0 | | 0 - 0 | |
| | | Collected Date | 07/26/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | ND | | | | | |
| | BENZO(G,H,I)PERYLENE | 2300 | ND | | | | | |
| | INDENO(1,2,3-CD)PYRENE | .87 | ND | | | | | |
| P/PCB | AROCLOR-1254 | 1 | ND | | 10 | X | 6.1 | X |
| | AROCLOR-1260 | 1 | ND | | 12 | X | 7.5 | X |
| METAL | ANTIMONY, TOTAL | 31 | ND | | | | | |
| | BARIUM, TOTAL | 5500 | 97.2 | | | | | |
| | BERYLLIUM, TOTAL | 160 | ND | | | | | |
| | CADMIUM, TOTAL | 39 | ND | | | | | |
| | CHROMIUM, TOTAL | 230 | 20.8 | | | | | |
| | LEAD, TOTAL | 400 | ND | | | | | |
| | NICKEL, TOTAL | 1600 | 20.9 | | | | | |
| | MERCURY, TOTAL | 20 | ND | | | | | |
| | ARSENIC, TOTAL | .43 | 8.7 | X | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ACH002-80001** | | **SOP-ACH003-80001** | | **SOP-ACH004-80001** | |
| | | Depth - ft bgs | **0 - 0** | | **0 - 0** | | **0 - 0** | |
| | | Collected Date | **07/25/00** | | **07/25/00** | | **07/25/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | | | | | | |
| | **XYLENE (TOTAL)** | 1000000 | | | | | | |
| | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **NAPHTHALENE** | 1600 | | | | | | |
| | **ACENAPHTHYLENE** | 4700 | | | | | | |
| | **ACENAPHTHENE** | 4700 | | | | | | |
| | **FLUORENE** | 3100 | | | | | | |
| | **PHENANTHRENE** | 23000 | | | | | | |
| | **ANTHRACENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | | | | | | |
| | **BENZO(A)PYRENE** | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ACH002-80001** | | **SOP-ACH003-80001** | | **SOP-ACH004-80001** | |
| | | Depth - ft bgs | **0 - 0** | | **0 - 0** | | **0 - 0** | |
| | | Collected Date | **07/25/00** | | **07/25/00** | | **07/25/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | | | | | | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | | | | | | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | 11 | X | 2.1 | X | 2.1 | X |
| | **AROCLOR-1260** | 1 | 12 | X | 7.7 | X | 7.1 | X |
| **METAL** | **ANTIMONY, TOTAL** | 31 | | | | | | |
| | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | 13 | |
| | | PRA Description | | | | | FORMER ART AREA | |
| | | Sample Type | | | | | Normal Sample | |
| | | Sample Id | SOP-ACH005-80001 | | SOP-ACH006-80001 | | SOP-ASS012-40001 | |
| | | Depth - ft bgs | 0 - 0 | | 0 - 0 | | 0 - 0.5 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | | | | | | |
| | XYLENE (TOTAL) | 1000000 | | | | | | |
| | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | NAPHTHALENE | 1600 | | | | | | |
| | ACENAPHTHYLENE | 4700 | | | | | | |
| | ACENAPHTHENE | 4700 | | | | | | |
| | FLUORENE | 3100 | | | | | | |
| | PHENANTHRENE | 23000 | | | | | | |
| | ANTHRACENE | 23000 | | | | | | |
| | FLUORANTHENE | 3100 | | | | | | |
| | PYRENE | 2300 | | | | | | |
| | BENZO(A)ANTHRACENE | .87 | | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | | |
| | CHRYSENE | 87 | | | | | | |
| | BENZO(K)FLUORANTHENE | 8.7 | | | | | | |
| | BENZO(A)PYRENE | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | 13 | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | FORMER ART AREA | |
| | | Sample Type | | | | | Normal Sample | |
| | | Sample Id | SOP-ACH005-80001 | | SOP-ACH006-80001 | | SOP-ASS012-40001 | |
| | | Depth - ft bgs | 0 - 0 | | 0 - 0 | | 0 - 0.5 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | | | | | | |
| | BENZO(G,H,I)PERYLENE | 2300 | | | | | | |
| | INDENO(1,2,3-CD)PYRENE | .87 | | | | | | |
| P/PCB | AROCLOR-1254 | 1 | 0.29 J | | 5.2 | X | 8.4 | X |
| | AROCLOR-1260 | 1 | 0.96 | | 10 | X | 2.4 J | X |
| METAL | ANTIMONY, TOTAL | 31 | | | | | | |
| | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | ND | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 14 | | 15 | |
| | | PRA Description | | | MICROWAVE BUILDING | | DRIP | |
| | | Sample Type | | | Normal Sample | | Normal Sample | |
| | | Sample Id | SOP-ASS013-40001 | | SOP-ASS014-40001 | | SOP-ASB024-70001 | |
| | | Depth - ft bgs | 0 - 0.5 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/27/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | | | ND | | | |
| | ACETONE | 7800 | | | ND | | | |
| BNA | NAPHTHALENE | 1600 | | | ND | | | |
| | ACENAPHTHYLENE | 4700 | | | ND | | | |
| | ACENAPHTHENE | 4700 | | | ND | | | |
| | FLUORENE | 3100 | | | ND | | | |
| | PHENANTHRENE | 23000 | | | ND | | | |
| | ANTHRACENE | 23000 | | | ND | | | |
| | FLUORANTHENE | 3100 | | | ND | | | |
| | PYRENE | 2300 | | | ND | | | |
| | BENZO(A)ANTHRACENE | .87 | | | ND | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | ND | | | |
| | CHRYSENE | 87 | | | ND | | | |
| | BENZO(K)FLUORANTHENE | 8.7 | | | ND | | | |
| | BENZO(A)PYRENE | .087 | | | ND | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | 14 | | 15 | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | MICROWAVE BUILDING | | DRIP | |
| | | Sample Type | | | Normal Sample | | Normal Sample | |
| | | Sample Id | SOP-ASS013-40001 | | SOP-ASS014-40001 | | SOP-ASB024-70001 | |
| | | Depth - ft bgs | 0 - 0.5 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/27/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | | | ND | | | |
| | BENZO(G,H,I)PERYLENE | 2300 | | | ND | | | |
| | INDENO(1,2,3-CD)PYRENE | .87 | | | ND | | | |
| P/PCB | AROCLOR-1254 | 1 | 0.13 | | ND | | ND | |
| | AROCLOR-1260 | 1 | 0.094 | | ND | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | | | ND | | | |
| | BARIUM, TOTAL | 5500 | | | 58.1 | | | |
| | BERYLLIUM, TOTAL | 160 | | | ND | | | |
| | CADMIUM, TOTAL | 39 | | | ND | | | |
| | CHROMIUM, TOTAL | 230 | | | 12.6 | | | |
| | LEAD, TOTAL | 400 | ND | | ND | | | |
| | NICKEL, TOTAL | 1600 | | | 11.8 | | | |
| | MERCURY, TOTAL | 20 | | | ND | | | |
| | ARSENIC, TOTAL | .43 | | | 16.0 | X | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | 16 | |
| | | PRA Description | | | | | REGULATOR BUILDING | |
| | | Sample Type | | | | | Normal Sample | |
| | | Sample Id | SOP-ASB024-70002 | | SOP-ASB024-70003 | | SOP-ASS017-40001 | |
| | | Depth - ft bgs | 2 - 2.5 | | 3.5 - 4 | | 0 - 0.5 | |
| | | Collected Date | 07/27/00 | | 07/27/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | | |
| | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | NAPHTHALENE | 1600 | | | | | | |
| | ACENAPHTHYLENE | 4700 | | | | | | |
| | ACENAPHTHENE | 4700 | | | | | | |
| | FLUORENE | 3100 | | | | | | |
| | PHENANTHRENE | 23000 | | | | | | |
| | ANTHRACENE | 23000 | | | | | | |
| | FLUORANTHENE | 3100 | | | | | | |
| | PYRENE | 2300 | | | | | | |
| | BENZO(A)ANTHRACENE | .87 | | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | | |
| | CHRYSENE | 87 | | | | | | |
| | BENZO(K)FLUORANTHENE | 8.7 | | | | | | |
| | BENZO(A)PYRENE | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | 16 | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | REGULATOR BUILDING | |
| | | Sample Type | | | | | Normal Sample | |
| | | Sample Id | SOP-ASB024-70002 | | SOP-ASB024-70003 | | SOP-ASS017-40001 | |
| | | Depth - ft bgs | 2 - 2.5 | | 3.5 - 4 | | 0 - 0.5 | |
| | | Collected Date | 07/27/00 | | 07/27/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | | | | | | |
| | BENZO(G,H,I)PERYLENE | 2300 | | | | | | |
| | INDENO(1,2,3-CD)PYRENE | .87 | | | | | | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | | |
| | AROCLOR-1260 | 1 | ND | | ND | | | |
| METAL | ANTIMONY, TOTAL | 31 | | | | | | |
| | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | ND | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 17 | | | |
| | | PRA Description | | | FORMER METER BUILDING | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | SOP-ASS018-40001 | | SOP-ASS019-40001 | | SOP-ASS020-40001 | |
| | | Depth - ft bgs | 0 - 0.5 | | 0 - 0.5 | | 0 - 0.5 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | | | | | | |
| | XYLENE (TOTAL) | 1000000 | | | | | | |
| | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | NAPHTHALENE | 1600 | | | | | | |
| | ACENAPHTHYLENE | 4700 | | | | | | |
| | ACENAPHTHENE | 4700 | | | | | | |
| | FLUORENE | 3100 | | | | | | |
| | PHENANTHRENE | 23000 | | | | | | |
| | ANTHRACENE | 23000 | | | | | | |
| | FLUORANTHENE | 3100 | | | | | | |
| | PYRENE | 2300 | | | | | | |
| | BENZO(A)ANTHRACENE | .87 | | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | | |
| | CHRYSENE | 87 | | | | | | |
| | BENZO(K)FLUORANTHENE | 8.7 | | | | | | |
| | BENZO(A)PYRENE | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 17 | | | |
| | | PRA Description | | | FORMER METER BUILDING | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | SOP-ASS018-40001 | | SOP-ASS019-40001 | | SOP-ASS020-40001 | |
| | | Depth - ft bgs | 0 - 0.5 | | 0 - 0.5 | | 0 - 0.5 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | | | | | | |
| | BENZO(G,H,I)PERYLENE | 2300 | | | | | | |
| | INDENO(1,2,3-CD)PYRENE | .87 | | | | | | |
| P/PCB | AROCLOR-1254 | 1 | | | | | | |
| | AROCLOR-1260 | 1 | | | | | | |
| METAL | ANTIMONY, TOTAL | 31 | | | | | | |
| | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | ND | | ND | | ND | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASS021-40001** | | **SOP-ASS022-40001** | | **SOP-ASS023-40001** | |
| | | Depth - ft bgs | **0 - 0.5** | | **0 - 0.5** | | **0 - 0.5** | |
| | | Collected Date | **07/25/00** | | **07/25/00** | | **07/25/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | | | | | | |
| | **XYLENE (TOTAL)** | 1000000 | | | | | | |
| | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **NAPHTHALENE** | 1600 | | | | | | |
| | **ACENAPHTHYLENE** | 4700 | | | | | | |
| | **ACENAPHTHENE** | 4700 | | | | | | |
| | **FLUORENE** | 3100 | | | | | | |
| | **PHENANTHRENE** | 23000 | | | | | | |
| | **ANTHRACENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | | | | | | |
| | **BENZO(A)PYRENE** | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASS021-40001** | | **SOP-ASS022-40001** | | **SOP-ASS023-40001** | |
| | | Depth - ft bgs | **0 - 0.5** | | **0 - 0.5** | | **0 - 0.5** | |
| | | Collected Date | **07/25/00** | | **07/25/00** | | **07/25/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | | | | | | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | | | | | | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | | | | | | |
| | **AROCLOR-1260** | 1 | | | | | | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | | | | | | |
| | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | ND | | ND | | ND | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 18 | | | |
| | | PRA Description | | | PIGGING SYSTEM | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | SOP-ASS024-40001 | | SOP-ASB025-70001 | | SOP-ASB025-70002 | |
| | | Depth - ft bgs | 0 - 0.5 | | 0 - 1 | | 2 - 2.5 | |
| | | Collected Date | 07/25/00 | | 07/27/00 | | 07/27/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | NAPHTHALENE | 1600 | | | | | | |
| | ACENAPHTHYLENE | 4700 | | | | | | |
| | ACENAPHTHENE | 4700 | | | | | | |
| | FLUORENE | 3100 | | | | | | |
| | PHENANTHRENE | 23000 | | | | | | |
| | ANTHRACENE | 23000 | | | | | | |
| | FLUORANTHENE | 3100 | | | | | | |
| | PYRENE | 2300 | | | | | | |
| | BENZO(A)ANTHRACENE | .87 | | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | | |
| | CHRYSENE | 87 | | | | | | |
| | BENZO(K)FLUORANTHENE | 8.7 | | | | | | |
| | BENZO(A)PYRENE | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 18 | | | |
| | | PRA Description | | | PIGGING SYSTEM | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | SOP-ASS024-40001 | | SOP-ASB025-70001 | | SOP-ASB025-70002 | |
| | | Depth - ft bgs | 0 - 0.5 | | 0 - 1 | | 2 - 2.5 | |
| | | Collected Date | 07/25/00 | | 07/27/00 | | 07/27/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | | | | | | |
| | BENZO(G,H,I)PERYLENE | 2300 | | | | | | |
| | INDENO(1,2,3-CD)PYRENE | .87 | | | | | | |
| P/PCB | AROCLOR-1254 | 1 | | | ND | | ND | |
| | AROCLOR-1260 | 1 | | | ND | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | | | | | | |
| | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | 0.26 | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 19 | | | |
| | | PRA Description | | | FENCELINES | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | SOP-ASB025-70003 | | SOP-ASS025-40001 | | SOP-ASS026-40001 | |
| | | Depth - ft bgs | 3.5 - 4 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/27/00 | | 07/24/00 | | 07/24/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | NAPHTHALENE | 1600 | | | | | | |
| | ACENAPHTHYLENE | 4700 | | | | | | |
| | ACENAPHTHENE | 4700 | | | | | | |
| | FLUORENE | 3100 | | | | | | |
| | PHENANTHRENE | 23000 | | | | | | |
| | ANTHRACENE | 23000 | | | | | | |
| | FLUORANTHENE | 3100 | | | | | | |
| | PYRENE | 2300 | | | | | | |
| | BENZO(A)ANTHRACENE | .87 | | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | | |
| | CHRYSENE | 87 | | | | | | |
| | BENZO(K)FLUORANTHENE | 8.7 | | | | | | |
| | BENZO(A)PYRENE | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 19 | | | |
| | | PRA Description | | | FENCELINES | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | SOP-ASB025-70003 | | SOP-ASS025-40001 | | SOP-ASS026-40001 | |
| | | Depth - ft bgs | 3.5 - 4 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/27/00 | | 07/24/00 | | 07/24/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | | | | | | |
| | BENZO(G,H,I)PERYLENE | 2300 | | | | | | |
| | INDENO(1,2,3-CD)PYRENE | .87 | | | | | | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| | AROCLOR-1260 | 1 | ND | | 0.046 J | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | | | | | | |
| | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASS027-40001** | | **SOP-ASS028-40001** | | **SOP-ASS029-40001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **07/24/00** | | **07/24/00** | | **07/24/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **NAPHTHALENE** | 1600 | | | | | | |
| | **ACENAPHTHYLENE** | 4700 | | | | | | |
| | **ACENAPHTHENE** | 4700 | | | | | | |
| | **FLUORENE** | 3100 | | | | | | |
| | **PHENANTHRENE** | 23000 | | | | | | |
| | **ANTHRACENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | | | | | | |
| | **BENZO(A)PYRENE** | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASS027-40001** | | **SOP-ASS028-40001** | | **SOP-ASS029-40001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **07/24/00** | | **07/24/00** | | **07/24/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | | | | | | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | | | | | | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | 0.070 | | ND | | ND | |
| | **AROCLOR-1260** | 1 | 0.049 | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | | | | | | |
| | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | **20** | | | | | |
| | | PRA Description | **PIPE RACK** | | | | | |
| | | Sample Type | **Normal Sample** | | | | | |
| | | Sample Id | **SOP-ASS030-40001** | | **SOP-ASS031-40001** | | **SOP-ASS032-40001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **07/24/00** | | **07/24/00** | | **07/24/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **NAPHTHALENE** | 1600 | | | | | | |
| | **ACENAPHTHYLENE** | 4700 | | | | | | |
| | **ACENAPHTHENE** | 4700 | | | | | | |
| | **FLUORENE** | 3100 | | | | | | |
| | **PHENANTHRENE** | 23000 | | | | | | |
| | **ANTHRACENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | | | | | | |
| | **BENZO(A)PYRENE** | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | **20** | | | | | |
| | | PRA Description | **PIPE RACK** | | | | | |
| | | Sample Type | **Normal Sample** | | | | | |
| | | Sample Id | **SOP-ASS030-40001** | | **SOP-ASS031-40001** | | **SOP-ASS032-40001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **07/24/00** | | **07/24/00** | | **07/24/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | | | | | | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | | | | | | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | 7.6 | X | 2.1 | X | 0.18 J | |
| | **AROCLOR-1260** | 1 | ND | | 0.69 J | | 0.12 J | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | | | | | | |
| | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | 21 | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | FORMER DRUM STORAGE AREA | | | | | |
| | | Sample Type | Field Duplicate (Rep) | | Normal Sample | | | |
| | | Sample Id | SOP-ASS016-41001 | | SOP-ASS015-40001 | | SOP-ASS016-40001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | ND | | ND | | ND | |
| | ACETONE | 7800 | ND | | ND | | ND | |
| BNA | NAPHTHALENE | 1600 | ND | | ND | | ND | |
| | ACENAPHTHYLENE | 4700 | 0.48 | | ND | | 0.60 | |
| | ACENAPHTHENE | 4700 | 0.45 | | ND | | 0.73 | |
| | FLUORENE | 3100 | 0.53 | | ND | | 0.71 | |
| | PHENANTHRENE | 23000 | 9.9 | | 4.2 | | 9.7 | |
| | ANTHRACENE | 23000 | 1.5 | | 0.58 | | 1.7 | |
| | FLUORANTHENE | 3100 | 17 | | 7.0 | | 16 | |
| | PYRENE | 2300 | 14 | | 5.6 | | 13 | |
| | BENZO(A)ANTHRACENE | .87 | 5.8 | X | 2.5 | X | 5.5 | X |
| | BENZO(B)FLUORANTHENE | .87 | 8.4 | X | 3.6 | X | 7.3 | X |
| | CHRYSENE | 87 | 7.7 | | 3.0 | | 6.7 | |
| | BENZO(K)FLUORANTHENE | 8.7 | 3.4 | | 1.7 | | 3.5 | |
| | BENZO(A)PYRENE | .087 | 5.7 | X | 2.5 | X | 5.3 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | 21 | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | FORMER DRUM STORAGE AREA | | | | | |
| | | Sample Type | Field Duplicate (Rep) | | Normal Sample | | | |
| | | Sample Id | SOP-ASS016-41001 | | SOP-ASS015-40001 | | SOP-ASS016-40001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | 0.73 | X | ND | | 0.59 | X |
| | BENZO(G,H,I)PERYLENE | 2300 | 2.4 | | 1.1 | | 1.9 | |
| | INDENO(1,2,3-CD)PYRENE | .87 | 2.9 | X | 1.3 | X | 2.2 | X |
| P/PCB | AROCLOR-1254 | 1 | 0.054 J | | 0.042 | | 0.079 J | |
| | AROCLOR-1260 | 1 | 0.073 J | | 0.048 | | 0.18 J | |
| METAL | ANTIMONY, TOTAL | 31 | ND | | ND | | ND | |
| | BARIUM, TOTAL | 5500 | 219 | | 379 | | 227 | |
| | BERYLLIUM, TOTAL | 160 | 1.9 | | 3.2 | | 2.1 | |
| | CADMIUM, TOTAL | 39 | 3.6 | | 2.5 | | 3.8 | |
| | CHROMIUM, TOTAL | 230 | 33.2 J | | 16.0 | | 20.2 J | |
| | LEAD, TOTAL | 400 | 209 | | 120 | | 191 | |
| | NICKEL, TOTAL | 1600 | 28.6 | | 14.3 | | 18.3 | |
| | MERCURY, TOTAL | 20 | ND | | ND | | ND | |
| | ARSENIC, TOTAL | .43 | 16.8 | X | 9.7 | X | 16.0 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | 22 | | | | | |
| | | PRA Description | FIN FAN UNITS/FORMER COOLING SYSTEM | | | | | |
| | | Sample Type | Normal Sample | | | | | |
| | | Sample Id | SOP-ASS033-40001 | | SOP-ASS034-40001 | | SOP-ASS035-40001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/24/00 | | 07/24/00 | | 07/24/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | NAPHTHALENE | 1600 | | | | | | |
| | ACENAPHTHYLENE | 4700 | | | | | | |
| | ACENAPHTHENE | 4700 | | | | | | |
| | FLUORENE | 3100 | | | | | | |
| | PHENANTHRENE | 23000 | | | | | | |
| | ANTHRACENE | 23000 | | | | | | |
| | FLUORANTHENE | 3100 | | | | | | |
| | PYRENE | 2300 | | | | | | |
| | BENZO(A)ANTHRACENE | .87 | | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | | |
| | CHRYSENE | 87 | | | | | | |
| | BENZO(K)FLUORANTHENE | 8.7 | | | | | | |
| | BENZO(A)PYRENE | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | PRA | 22 | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | FIN FAN UNITS/FORMER COOLING SYSTEM | | | | | |
| | | Sample Type | Normal Sample | | | | | |
| | | Sample Id | SOP-ASS033-40001 | | SOP-ASS034-40001 | | SOP-ASS035-40001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/24/00 | | 07/24/00 | | 07/24/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | | | | | | |
| | BENZO(G,H,I)PERYLENE | 2300 | | | | | | |
| | INDENO(1,2,3-CD)PYRENE | .87 | | | | | | |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | ND | |
| | AROCLOR-1260 | 1 | ND | | ND | | 0.048 | |
| METAL | ANTIMONY, TOTAL | 31 | | | | | | |
| | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASS036-40001** | | **SOP-ASS037-40001** | | **SOP-ASS038-40001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **07/24/00** | | **07/24/00** | | **07/24/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | 0.006 R | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | 0.006 R | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **NAPHTHALENE** | 1600 | | | | | | |
| | **ACENAPHTHYLENE** | 4700 | | | | | | |
| | **ACENAPHTHENE** | 4700 | | | | | | |
| | **FLUORENE** | 3100 | | | | | | |
| | **PHENANTHRENE** | 23000 | | | | | | |
| | **ANTHRACENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | | | | | | |
| | **BENZO(A)PYRENE** | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASS036-40001** | | **SOP-ASS037-40001** | | **SOP-ASS038-40001** | |
| | | Depth - ft bgs | **0 - 1** | | **0 - 1** | | **0 - 1** | |
| | | Collected Date | **07/24/00** | | **07/24/00** | | **07/24/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | | | | | | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | | | | | | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | ND | | ND | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | | | | | | |
| | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | 23 | |
| | | PRA Description | | | | | FORMER SCRUBBER AND GAS | |
| | | Sample Type | | | | | Normal Sample | |
| | | Sample Id | SOP-ASS039-40001 | | SOP-ASS040-40001 | | SOP-ASB026-70001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/24/00 | | 07/24/00 | | 07/27/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | | | | | | |
| | ACETONE | 7800 | | | | | | |
| BNA | NAPHTHALENE | 1600 | | | | | | |
| | ACENAPHTHYLENE | 4700 | | | | | | |
| | ACENAPHTHENE | 4700 | | | | | | |
| | FLUORENE | 3100 | | | | | | |
| | PHENANTHRENE | 23000 | | | | | | |
| | ANTHRACENE | 23000 | | | | | | |
| | FLUORANTHENE | 3100 | | | | | | |
| | PYRENE | 2300 | | | | | | |
| | BENZO(A)ANTHRACENE | .87 | | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | | | | | | |
| | CHRYSENE | 87 | | | | | | |
| | BENZO(K)FLUORANTHENE | 8.7 | | | | | | |
| | BENZO(A)PYRENE | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | 23 | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | FORMER SCRUBBER AND GAS | |
| | | Sample Type | | | | | Normal Sample | |
| | | Sample Id | SOP-ASS039-40001 | | SOP-ASS040-40001 | | SOP-ASB026-70001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 0 - 1 | |
| | | Collected Date | 07/24/00 | | 07/24/00 | | 07/27/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | | | | | | |
| | BENZO(G,H,I)PERYLENE | 2300 | | | | | | |
| | INDENO(1,2,3-CD)PYRENE | .87 | | | | | | |
| P/PCB | AROCLOR-1254 | 1 | ND | | 0.16 J | | ND | |
| | AROCLOR-1260 | 1 | 0.18 | | 0.10 J | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | | | | | | |
| | BARIUM, TOTAL | 5500 | | | | | | |
| | BERYLLIUM, TOTAL | 160 | | | | | | |
| | CADMIUM, TOTAL | 39 | | | | | | |
| | CHROMIUM, TOTAL | 230 | | | | | | |
| | LEAD, TOTAL | 400 | | | | | | |
| | NICKEL, TOTAL | 1600 | | | | | | |
| | MERCURY, TOTAL | 20 | | | | | | |
| | ARSENIC, TOTAL | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | **CLEANERS** | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB026-70002** | | **SOP-ASB026-70003** | | **SOP-ASB027-70001** | |
| | | Depth - ft bgs | **2 - 2.5** | | **3.5 - 4** | | **0 - 1** | |
| | | Collected Date | **07/27/00** | | **07/27/00** | | **07/27/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **NAPHTHALENE** | 1600 | | | | | | |
| | **ACENAPHTHYLENE** | 4700 | | | | | | |
| | **ACENAPHTHENE** | 4700 | | | | | | |
| | **FLUORENE** | 3100 | | | | | | |
| | **PHENANTHRENE** | 23000 | | | | | | |
| | **ANTHRACENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | | | | | | |
| | **BENZO(A)PYRENE** | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | **CLEANERS** | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB026-70002** | | **SOP-ASB026-70003** | | **SOP-ASB027-70001** | |
| | | Depth - ft bgs | **2 - 2.5** | | **3.5 - 4** | | **0 - 1** | |
| | | Collected Date | **07/27/00** | | **07/27/00** | | **07/27/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | | | | | | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | | | | | | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | 0.17 J | | 0.78 | | ND | |
| | **AROCLOR-1260** | 1 | 0.21 | | 0.77 | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | | | | | | |
| | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | 24 | |
| | | PRA Description | | | | | CATCH BASINS | |
| | | Sample Type | | | | | Normal Sample | |
| | | Sample Id | SOP-ASB027-70002 | | SOP-ASB027-70003 | | SOP-ASD009-30001 | |
| | | Depth - ft bgs | 2 - 2.5 | | 3.5 - 4 | | 0 - 1 | |
| | | Collected Date | 07/27/00 | | 07/27/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | ND | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | | | | | ND | |
| | ACETONE | 7800 | | | | | ND | |
| BNA | NAPHTHALENE | 1600 | | | | | ND | |
| | ACENAPHTHYLENE | 4700 | | | | | ND | |
| | ACENAPHTHENE | 4700 | | | | | ND | |
| | FLUORENE | 3100 | | | | | ND | |
| | PHENANTHRENE | 23000 | | | | | 12 | |
| | ANTHRACENE | 23000 | | | | | 3.2 | |
| | FLUORANTHENE | 3100 | | | | | 22 | |
| | PYRENE | 2300 | | | | | 20 | |
| | BENZO(A)ANTHRACENE | .87 | | | | | 11 | X |
| | BENZO(B)FLUORANTHENE | .87 | | | | | 15 | X |
| | CHRYSENE | 87 | | | | | 13 | |
| | BENZO(K)FLUORANTHENE | 8.7 | | | | | 6.7 | |
| | BENZO(A)PYRENE | .087 | | | | | 12 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | 24 | |
| | | PRA Description | | | | | CATCH BASINS | |
| | | Sample Type | | | | | Normal Sample | |
| | | Sample Id | SOP-ASB027-70002 | | SOP-ASB027-70003 | | SOP-ASD009-30001 | |
| | | Depth - ft bgs | 2 - 2.5 | | 3.5 - 4 | | 0 - 1 | |
| | | Collected Date | 07/27/00 | | 07/27/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | | | | | ND | |
| | BENZO(G,H,I)PERYLENE | 2300 | | | | | 7.4 | |
| | INDENO(1,2,3-CD)PYRENE | .87 | | | | | 8.2 | X |
| P/PCB | AROCLOR-1254 | 1 | ND | | ND | | 0.58 | |
| | AROCLOR-1260 | 1 | ND | | ND | | 0.76 | |
| METAL | ANTIMONY, TOTAL | 31 | | | | | ND | |
| | BARIUM, TOTAL | 5500 | | | | | 357 | |
| | BERYLLIUM, TOTAL | 160 | | | | | 2.9 | |
| | CADMIUM, TOTAL | 39 | | | | | ND | |
| | CHROMIUM, TOTAL | 230 | | | | | 21.9 | |
| | LEAD, TOTAL | 400 | | | | | 50.7 | |
| | NICKEL, TOTAL | 1600 | | | | | 19.0 | |
| | MERCURY, TOTAL | 20 | | | | | 0.56 | |
| | ARSENIC, TOTAL | .43 | | | | | 7.4 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 25 | | 26 | |
| | | PRA Description | | | CONCRETE BOX | | SEPTIC SYSTEM | |
| | | Sample Type | | | Normal Sample | | Normal Sample | |
| | | Sample Id | SOP-ASD010-30001 | | SOP-ASD011-30001 | | SOP-ASB016-70001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 3.5 - 4 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/26/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | 0.013 J | | ND | | ND | |
| | XYLENE (TOTAL) | 1000000 | 0.058 J | | ND | | ND | |
| | METHYLENE CHLORIDE | 85 | ND | | ND | | 0.007 | |
| | ACETONE | 7800 | 0.20 J | | ND | | ND | |
| BNA | NAPHTHALENE | 1600 | 0.60 J | | ND | | ND | |
| | ACENAPHTHYLENE | 4700 | ND | | ND | | ND | |
| | ACENAPHTHENE | 4700 | 0.70 J | | ND | | ND | |
| | FLUORENE | 3100 | 1.0 J | | ND | | ND | |
| | PHENANTHRENE | 23000 | 2.5 J | | 2.2 | | ND | |
| | ANTHRACENE | 23000 | 0.90 J | | 0.46 | | ND | |
| | FLUORANTHENE | 3100 | 5.8 | | 3.8 | | ND | |
| | PYRENE | 2300 | 6.1 | | 3.6 | | ND | |
| | BENZO(A)ANTHRACENE | .87 | 2.4 J | X | 1.4 | X | ND | |
| | BENZO(B)FLUORANTHENE | .87 | 3.2 | X | 2.2 | X | ND | |
| | CHRYSENE | 87 | 2.5 J | | 1.9 | | ND | |
| | BENZO(K)FLUORANTHENE | 8.7 | 1.2 J | | 0.92 | | ND | |
| | BENZO(A)PYRENE | .087 | 2.4 J | X | 1.5 | X | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | 25 | | 26 | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | CONCRETE BOX | | SEPTIC SYSTEM | |
| | | Sample Type | | | Normal Sample | | Normal Sample | |
| | | Sample Id | SOP-ASD010-30001 | | SOP-ASD011-30001 | | SOP-ASB016-70001 | |
| | | Depth - ft bgs | 0 - 1 | | 0 - 1 | | 3.5 - 4 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/26/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | ND | | ND | | ND | |
| | BENZO(G,H,I)PERYLENE | 2300 | 1.8 J | | 1.1 | | ND | |
| | INDENO(1,2,3-CD)PYRENE | .87 | 2.0 J | X | 1.1 | X | ND | |
| P/PCB | AROCLOR-1254 | 1 | 1200 | X | 220 | X | ND | |
| | AROCLOR-1260 | 1 | ND | | ND | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | ND | | 31.0 | | ND | |
| | BARIUM, TOTAL | 5500 | 192 | | 119 | | 90.8 | |
| | BERYLLIUM, TOTAL | 160 | ND | | ND | | ND | |
| | CADMIUM, TOTAL | 39 | 2.6 | | 4.4 | | ND | |
| | CHROMIUM, TOTAL | 230 | 64.7 | | 35.6 | | 15.0 | |
| | LEAD, TOTAL | 400 | 329 | | 6000 | X | ND | |
| | NICKEL, TOTAL | 1600 | 21.3 | | 37.3 | | 14.5 | |
| | MERCURY, TOTAL | 20 | 1.0 | | 175 | X | ND | |
| | ARSENIC, TOTAL | .43 | 29.7 | X | 14.2 | X | 5.6 | X |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
## Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 27 | | | |
| | | PRA Description | | | FORMER COMPRESSOR BUILDING | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | SOP-ASB017-70001 | | SOP-ACH007-80001 | | SOP-ACH008-80001 | |
| | | Depth - ft bgs | 3.5 - 4 | | 0 - 0 | | 0 - 0 | |
| | | Collected Date | 07/26/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA | ETHYLBENZENE | 7800 | ND | | | | | |
| | XYLENE (TOTAL) | 1000000 | ND | | | | | |
| | METHYLENE CHLORIDE | 85 | 0.008 | | | | | |
| | ACETONE | 7800 | ND | | | | | |
| BNA | NAPHTHALENE | 1600 | ND | | | | | |
| | ACENAPHTHYLENE | 4700 | ND | | | | | |
| | ACENAPHTHENE | 4700 | ND | | | | | |
| | FLUORENE | 3100 | ND | | | | | |
| | PHENANTHRENE | 23000 | ND | | | | | |
| | ANTHRACENE | 23000 | ND | | | | | |
| | FLUORANTHENE | 3100 | ND | | | | | |
| | PYRENE | 2300 | ND | | | | | |
| | BENZO(A)ANTHRACENE | .87 | ND | | | | | |
| | BENZO(B)FLUORANTHENE | .87 | ND | | | | | |
| | CHRYSENE | 87 | ND | | | | | |
| | BENZO(K)FLUORANTHENE | 8.7 | ND | | | | | |
| | BENZO(A)PYRENE | .087 | ND | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 27 | | | |
| | | PRA Description | | | FORMER COMPRESSOR BUILDING | | | |
| | | Sample Type | | | Normal Sample | | | |
| | | Sample Id | SOP-ASB017-70001 | | SOP-ACH007-80001 | | SOP-ACH008-80001 | |
| | | Depth - ft bgs | 3.5 - 4 | | 0 - 0 | | 0 - 0 | |
| | | Collected Date | 07/26/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | MG/KG | | MG/KG | | MG/KG | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| | DIBENZO(A,H)ANTHRACENE | .087 | ND | | | | | |
| | BENZO(G,H,I)PERYLENE | 2300 | ND | | | | | |
| | INDENO(1,2,3-CD)PYRENE | .87 | ND | | | | | |
| P/PCB | AROCLOR-1254 | 1 | ND | | 0.073 J | | ND | |
| | AROCLOR-1260 | 1 | ND | | 0.59 | | ND | |
| METAL | ANTIMONY, TOTAL | 31 | ND | | | | | |
| | BARIUM, TOTAL | 5500 | 109 | | | | | |
| | BERYLLIUM, TOTAL | 160 | ND | | | | | |
| | CADMIUM, TOTAL | 39 | ND | | | | | |
| | CHROMIUM, TOTAL | 230 | 19.0 | | | | | |
| | LEAD, TOTAL | 400 | ND | | | | | |
| | NICKEL, TOTAL | 1600 | 16.7 | | | | | |
| | MERCURY, TOTAL | 20 | ND | | | | | |
| | ARSENIC, TOTAL | .43 | 4.5 | X | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB028-70001** | | **SOP-ASB028-70002** | | **SOP-ASB029-70001** | |
| | | Depth - ft bgs | **0 - 1** | | **7.5 - 8** | | **0 - 1** | |
| | | Collected Date | **07/27/00** | | **07/27/00** | | **07/27/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **NAPHTHALENE** | 1600 | | | | | | |
| | **ACENAPHTHYLENE** | 4700 | | | | | | |
| | **ACENAPHTHENE** | 4700 | | | | | | |
| | **FLUORENE** | 3100 | | | | | | |
| | **PHENANTHRENE** | 23000 | | | | | | |
| | **ANTHRACENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | | | | | | |
| | **BENZO(A)PYRENE** | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB028-70001** | | **SOP-ASB028-70002** | | **SOP-ASB029-70001** | |
| | | Depth - ft bgs | **0 - 1** | | **7.5 - 8** | | **0 - 1** | |
| | | Collected Date | **07/27/00** | | **07/27/00** | | **07/27/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | | | | | | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | | | | | | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | 0.11 | | ND | | 0.075 | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | | | | | | |
| | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB030-70001** | | **SOP-ASB030-70002** | | **SOP-ASB031-70001** | |
| | | Depth - ft bgs | **0 - 1** | | **7 - 8** | | **0 - 1** | |
| | | Collected Date | **07/27/00** | | **07/27/00** | | **07/27/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **NAPHTHALENE** | 1600 | | | | | | |
| | **ACENAPHTHYLENE** | 4700 | | | | | | |
| | **ACENAPHTHENE** | 4700 | | | | | | |
| | **FLUORENE** | 3100 | | | | | | |
| | **PHENANTHRENE** | 23000 | | | | | | |
| | **ANTHRACENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | | | | | | |
| | **BENZO(A)PYRENE** | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB030-70001** | | **SOP-ASB030-70002** | | **SOP-ASB031-70001** | |
| | | Depth - ft bgs | **0 - 1** | | **7 - 8** | | **0 - 1** | |
| | | Collected Date | **07/27/00** | | **07/27/00** | | **07/27/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | | | | | | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | | | | | | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | ND | | ND | |
| | **AROCLOR-1260** | 1 | 0.076 | | ND | | 0.048 | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | | | | | | |
| | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | | | | |
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB031-70002** | | **SOP-ASB032-70001** | | **SOP-ASB033-70001** | |
| | | Depth - ft bgs | **7 - 8** | | **2.5 - 3** | | **1.5 - 2** | |
| | | Collected Date | **07/27/00** | | **07/27/00** | | **07/27/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| **VOA** | **ETHYLBENZENE** | 7800 | ND | | ND | | ND | |
| | **XYLENE (TOTAL)** | 1000000 | ND | | ND | | ND | |
| | **METHYLENE CHLORIDE** | 85 | | | | | | |
| | **ACETONE** | 7800 | | | | | | |
| **BNA** | **NAPHTHALENE** | 1600 | | | | | | |
| | **ACENAPHTHYLENE** | 4700 | | | | | | |
| | **ACENAPHTHENE** | 4700 | | | | | | |
| | **FLUORENE** | 3100 | | | | | | |
| | **PHENANTHRENE** | 23000 | | | | | | |
| | **ANTHRACENE** | 23000 | | | | | | |
| | **FLUORANTHENE** | 3100 | | | | | | |
| | **PYRENE** | 2300 | | | | | | |
| | **BENZO(A)ANTHRACENE** | .87 | | | | | | |
| | **BENZO(B)FLUORANTHENE** | .87 | | | | | | |
| | **CHRYSENE** | 87 | | | | | | |
| | **BENZO(K)FLUORANTHENE** | 8.7 | | | | | | |
| | **BENZO(A)PYRENE** | .087 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | | | | | | |
| | | Sample Type | | | | | | |
| | | Sample Id | **SOP-ASB031-70002** | | **SOP-ASB032-70001** | | **SOP-ASB033-70001** | |
| | | Depth - ft bgs | **7 - 8** | | **2.5 - 3** | | **1.5 - 2** | |
| | | Collected Date | **07/27/00** | | **07/27/00** | | **07/27/00** | |
| | | Laboratory | **Lancaster Laboratories** | | **Lancaster Laboratories** | | **Lancaster Laboratories** | |
| | | Sample Collector | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | | **IT Corporation (Fluor Daniel/GTI** | |
| | | Result Units | **MG/KG** | | **MG/KG** | | **MG/KG** | |
| Category | Analyte | Action Level | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** | **Result Flag** | **> CAL*** |
| | **DIBENZO(A,H)ANTHRACENE** | .087 | | | | | | |
| | **BENZO(G,H,I)PERYLENE** | 2300 | | | | | | |
| | **INDENO(1,2,3-CD)PYRENE** | .87 | | | | | | |
| **P/PCB** | **AROCLOR-1254** | 1 | ND | | 0.057 | | ND | |
| | **AROCLOR-1260** | 1 | ND | | 0.10 | | ND | |
| **METAL** | **ANTIMONY, TOTAL** | 31 | | | | | | |
| | **BARIUM, TOTAL** | 5500 | | | | | | |
| | **BERYLLIUM, TOTAL** | 160 | | | | | | |
| | **CADMIUM, TOTAL** | 39 | | | | | | |
| | **CHROMIUM, TOTAL** | 230 | | | | | | |
| | **LEAD, TOTAL** | 400 | | | | | | |
| | **NICKEL, TOTAL** | 1600 | | | | | | |
| | **MERCURY, TOTAL** | 20 | | | | | | |
| | **ARSENIC, TOTAL** | .43 | | | | | | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 24, 2000

# Table 4-3
# Summary of Analytical Results

| | | PRA | 9 | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA Description | SOLIDA CREEK | | | | | |
| | | Sample Type | Field Duplicate (Rep) | | Normal Sample | | | |
| | | Sample Id | SOP-ASW001-21001 | | SOP-ASW001-20001 | | SOP-ASW002-20001 | |
| | | Depth - ft bgs | 0 - 0 | | 0 - 0 | | 0 - 0 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | UG/L | | UG/L | | UG/L | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| P/PCB | AROCLOR-1016 | .5 | ND | | ND | | ND | |
| | AROCLOR-1254 | .5 | ND | | ND | | ND | |
| | AROCLOR-1260 | .5 | ND | | ND | | ND | |
| METAL | BARIUM, TOTAL | 2000 | ND | | ND | | ND | |
| | CHROMIUM, TOTAL | 100 | ND | | ND | | ND | |
| | LEAD, TOTAL | 15 | ND | | ND | | ND | |
| | MERCURY, TOTAL | 2 | ND | | ND | | ND | |
| | ARSENIC, TOTAL | 50 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 19, 2000

# Table 4-3
# Summary of Analytical Results

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | PRA | | | 10 | | 24 | |
| | | PRA Description | | | DRAINAGE CHANNEL | | CATCH BASINS | |
| | | Sample Type | | | Normal Sample | | Normal Sample | |
| | | Sample Id | SOP-ASW003-20001 | | SOP-ASW004-20001 | | SOP-ASW005-20001 | |
| | | Depth - ft bgs | 0 - 0 | | 0 - 0 | | 0 - 0 | |
| | | Collected Date | 07/25/00 | | 07/25/00 | | 07/25/00 | |
| | | Laboratory | Lancaster Laboratories | | Lancaster Laboratories | | Lancaster Laboratories | |
| | | Sample Collector | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | | IT Corporation (Fluor Daniel/GTI | |
| | | Result Units | UG/L | | UG/L | | UG/L | |
| Category | Analyte | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| P/PCB | AROCLOR-1016 | .5 | ND | | ND | | ND | |
| | AROCLOR-1254 | .5 | ND | | ND | | 2.1 | X |
| | AROCLOR-1260 | .5 | ND | | ND | | ND | |
| METAL | BARIUM, TOTAL | 2000 | ND | | 242 | | ND | |
| | CHROMIUM, TOTAL | 100 | ND | | 17.1 | | ND | |
| | LEAD, TOTAL | 15 | ND | | 28.6 | X | 6.0 | |
| | MERCURY, TOTAL | 2 | ND | | ND | | 0.51 | |
| | ARSENIC, TOTAL | 50 | ND | | ND | | ND | |

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: October 19, 2000

DRAWING NUMBER 805903-B8
APPROVED BY
CHECKED BY
DRAWN BY 4/07/00 R.A.M.
OFFICE Pittsburgh, PA

SOLIDA ROAD
GRAVEL DRIVEWAY
FORMER 2500 GAL OIL UT's
FORMER PIPE NECK FOR 2000 GAL UT
FORMER 2000 GAL NEW OIL/PIPELINE LIQUIDS UT
DEBRIS PILE
SOP-ACH007-80001
FORMER COOLING FANS AREA
SOP-ACH008-80001
FORMER GAS COMPRESSOR BUILDING
BACKGROUND SOP-ASS001-40001
SEPTIC TANK AND LEACH FIELD
SOP-ASB002-70001
SOP-ASB002-70002
BACKGROUND SOP-ASS002-40001
BACKGROUND
SOP-ASS025-40001
PRA#19
OFFICE BUILDING
RANDOM PCBs
SOP-ASS007-40001
GATE
FORMER RESERVOIR
MICROWAVE BUILDING
FORMER 2750 GAL GLYCOL ATs
BACKGROUND SOP-ASS003-40001
BACKGROUND SOP-ASS004-40001
BACKGROUND SOP-ASB005-70001
SOP-ASB005-70002
DRAINAGE DITCH
BACKGROUND SOP-ASB004-70001
SOP-ASB004-70002
BACKGROUND SOP-ASS005-40001
BACKGROUND SOP-ASB003-70001
SOP-ASB003-70002
FENCE (APPROX. LOCATION)
RANDOM PCBs SOP-ASS006-40001
FORMER 5000 GAL PIPELINE LIQUIDS AT
RANDOM PCBs SOP-ASS008-40001
FORMER TRANSFORMER AREA
FORMER CISTERN
FORMER BUILDING
FORMER METERING STATION
AIR COMPRESSOR
FORMER 1800 GAL SCRUBBER OIL UT
FORMER SCRUBBER, GAS CLEANERS AND TANK AREA
PRA#19 SOP-ASB028-40001
FORMER 1000 GAL BRINE WATER AT
DRUM STORAGE AREA
AUXILIARY BUILDING
CATCH BASIN
RAIN WATER PIT
GATE
PRA#19 SOP-ASS029-40001
RANDOM PCBs SOP-ASS009-40001
PIGGING LAUNCHER/RECEIVER
BACKGROUND SOP-ASB001-70001
SOP-ASB001-70002
CONCRETE VALVE BOX
PAVED AREA
FORMER GENERATOR
FORMER COOLING SYSTEM
SUMP CATCH BASIN
FORMER 500 GAL WASTE OIL UT
PRA#19 SOP-ASS026-40001
HEATER
6" DRAINLINE
DRIP
BURIED VALVE
OVERFLOW
PIPE RACK AREA
FORMER DRUM STORAGE AREAS
4" PVC DRAIN PIPE
WET AREA
PRA#9 SOP-ASD001-30001
SOP-ASW001-20001
AREA 1
GATE
FIREGATE
PRA#19 SOP-ASS027-40001
FORMER AIR RECEIVER TANK
FIREGATE
REGULATOR BUILDING
4" DRAINLINE
PRA#9 SOP-ASD005-30001
FORMER AIR COMPRESSORS
BURN PIT NO. 1 (90' EAST OF AUX. BLDG.)
6" PIPE OUTLET
BURN PIT NO. 2 (60' EAST OF FENCE)
EXCAVATION
PRA#9 SOP-ASW002-20001
SOP-ASD002-30001
EFFLUENT CATCH PIPE FOR 4" OUTLET
PRA#9
FLOW
SOP-ASD004-30001
SOLIDA CREEK
PRA#9 SOP-ASW003-20001
SOP-ASD003-30001

NOTES:

1. GROUNDWATER FLOW DIRECTION IS NOT BASED ON THE COLLECTION OF FIELD DATA AND THUS MAY NOT REPRESENT ACTUAL CONDITIONS.
2. ANALYTICAL RESULTS SHOWN FOR ONLY THOSE SAMPLE SAMPLE RESULTS EXCEEDING A CAL AND BACKGROUND LEVELS.

REFERENCE:

DAMES & MOORE DRAWING-"FIGURE 2 - PLOT PLAN"

LEGEND:

| | |
|---|---|
| UT | UNDERGROUND TANK |
| AT | ABOVEGROUND TANK |
| PRA | POTENTIAL RELEASE AREA |
| ▲ | SURFACE SOIL/SEDIMENT SAMPLE LOCATION |
| ◭ | SURFACE AND AT-DEPTH SOIL SAMPLE LOCATION |
| ✚ | SURFACE WATER AND SEDIMENT SAMPLE LOCATION |
| ♦ | CONCRETE CHIP SAMPLE LOCATION |
| SOP-ASD004-30001 | SAMPLE I.D. |
| ← | APPROXIMATE GROUNDWATER FLOW DIRECTION (BASED ON TOPOGRAPHY) |

APPROXIMATE SCALE
0 50 100 FEET

IT CORPORATION

COLUMBIA GAS TRANSMISSION CORPORATION

FIGURE 4-2
ANALYTICAL RESULTS WHICH EXCEED CALS AND BACKGROUND - SITE AREA
SOUTH POINT FORMER COMPRESSOR STATION
LAWRENCE COUNTY, OHIO

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Plot Date/Time: 08/21/01 11:17am Image: SCAN-1_1
Plotted by: rmockenhaupt Xref: XTOPO-1

DRAWING NUMBER 805903-B9

APPROVED BY

CHECKED BY

DRAWN BY R.A.M. 4/07/00

OFFICE Pittsburgh, PA

LEGEND:

| | |
|---|---|
| AT | ABOVE GROUND TANK |
| UT | UNDERGROUND TANK |
| *PRA* | POTENTIAL RELEASE AREA |
| ▲ | SURFACE SOIL/SEDIMENT SAMPLE LOCATION |
| ◉ | SURFACE AND AT-DEPTH SOIL SAMPLE LOCATION |
| ⊗ | AT DEPTH SOIL SAMPLE LOCATION |
| ✚ | SURFACE WATER AND SEDIMENT SAMPLE LOCATION |
| ← | APPROXIMATE GROUNDWATER FLOW DIRECTION (BASED ON TOPOGRAPHY) |
| SOP-ASB019-70001 | SAMPLE I.D. |

NOTE:

1. GROUNDWATER FLOW DIRECTION IS NOT BASED ON THE COLLECTION OF FIELD DATA AND THUS MAY NOT REFLECT ACTUAL CONDITIONS.
2. ANALYTICAL RESULTS SHOWN FOR ONLY THOSE SAMPLE RESULTS EXCEEDING A CAL AND BACKGROUND LEVELS.

SOLIDA ROAD

FORMER PIPE NECK FOR 2000 GAL UT

FORMER 2000 GAL NEW OIL/PIPELINE LIQUIDS UT

SOP-ASS033-40001
SOP-ASS034-40001
SOP-ASS035-40001
SOP-ASS036-40001
SOP-ASS037-40001
SOP-ASS038-40001

*PRA#22*
FORMER COOLING FANS AREA

*PRA#5*
SOP-ASB023-70001
SOP-ASB032-70001
SOP-ASB033-70001
SOP-ASB030-70001
SOP-ASB030-70002
*PRA#27*
SOP-ASB028-70001
SOP-ASB028-70002
FORMER GAS COMPRESSOR BUILDING
SOP-ASB031-70001
SOP-ASB031-70002
SOP-ASB029-70001

FORMER BUILDING

FORMER METERING STATION

SOP-ASS020-40001
SOP-ASB022-70001
FORMER 1800 GAL SCRUBBER OIL UT
SOP-ASB026-70001
SOP-ASB026-70002
SOP-ASB026-70003
FORMER SCRUBBER, GAS CLEANERS AND TANK AREA
*PRA#4*
*PRA#23*
SOP-ASB027-70001
SOP-ASB027-70002
SOP-ASB027-70003

*PRA#17*
SOP-ASS023-40001
SOP-ASS021-40001
SOP-ASS024-40001
SOP-ASS022-40001

*PRA#18*
PIGGING LAUNCHER/RECEIVER
SOP-ASB025-70001
SOP-ASB027-70002
SOP-ASB027-70003

*PRA#2*
SOP-ASS019-40001
FORMER 500 GAL WASTE OIL UT
HEATER
6" DRAINLINE
SOP-ASB019-70001
SOP-ASS017-40001
*PRA#16*
FIREGATE
4" DRAINLINE
REGULATOR BUILDING
SOP-ASS018-40001

*PRA#10*
SOP-ASW004-20001
LEAD 28.6 ug/l
SOP-ASD006-30001
DIBENZO (a,h) ANTHRACENE 1.3 mg/kg
INDENO (1,2,3-CD) PYRENE 5.2 mg/kg
BENZO (a) ANTHRACENE 8.1 mg/kg
BENZO (a) PYRENE 7 mg/kg
BENZO (b) FLUORANTHENE 8.5 mg/kg

DRAINAGE DITCH

SOP-ASB024-70001
SOP-ASB024-70002
SOP-ASB024-70003
*PRA#15*
DRIP
BURIED VALVE
OVERFLOW
*PRA#10*
SOP-ASD007-30001
*PRA#10*
SOP-ASD008-30001
WET AREA
4" PVC DRAIN PIPE
6" PIPE OUTLET
EFFLUENT CATCH PIPE FOR 4" OUTLET
SOLIDA CREEK

APPROXIMATE SCALE
0 40 80 FEET

REFERENCE:
DAMES & MOORE DRAWING-"FIGURE 2 - PLOT PLAN"

IT CORPORATION

COLUMBIA GAS TRANSMISSION CORPORATION

FIGURE 4-3
ANALYTICAL RESULTS WHICH EXCEED CAL AND BACKGROUND - NORTH
SOUTH POINT FORMER COMPRESSOR STATION
LAWRENCE COUNTY, OHIO

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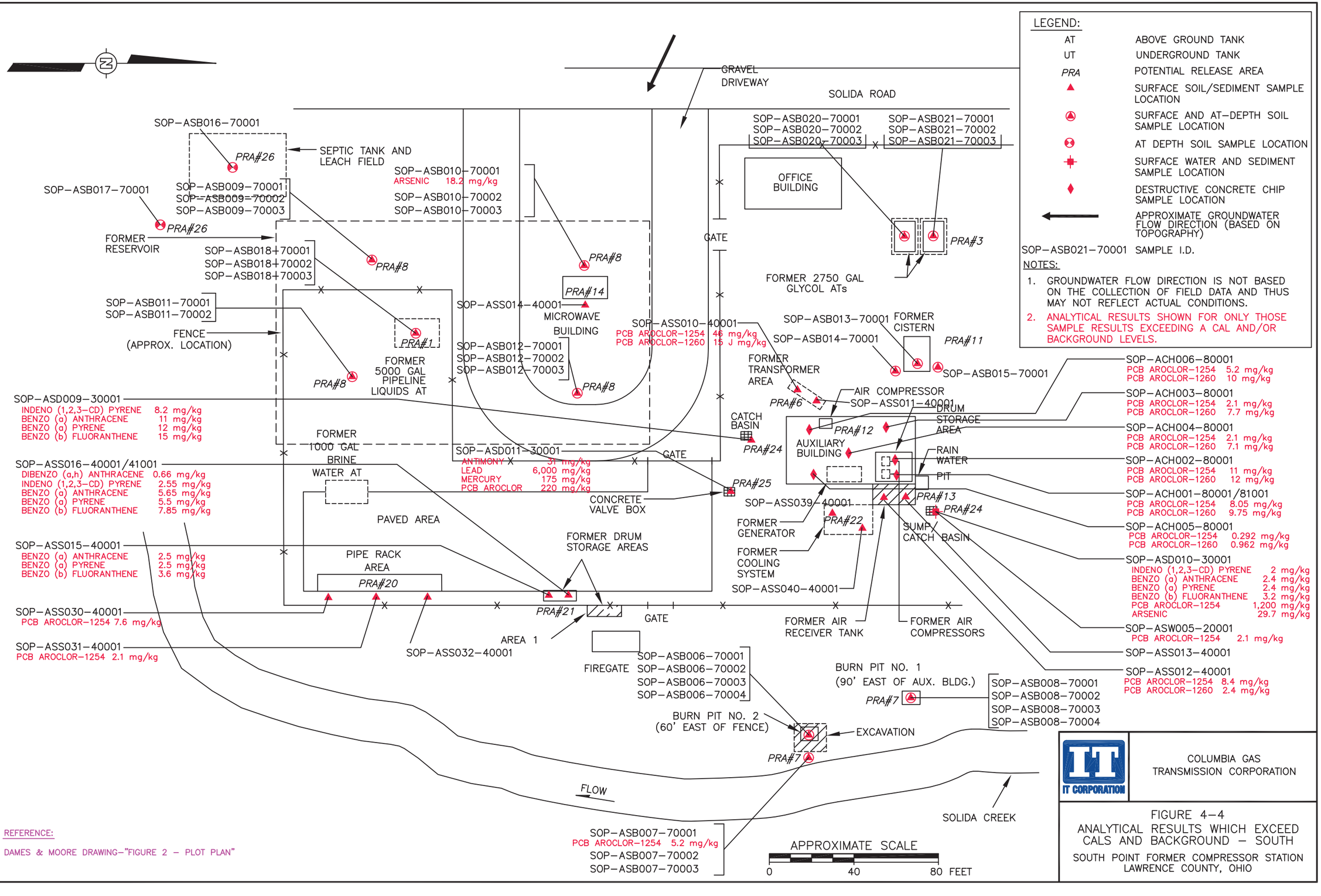
Plot Date/Time: 08/21/01 11:20am Image: SCAN-1_1
Plotted by: rmockenhaupt Xref: .

DRAWING NUMBER 805903-B10
APPROVED BY
CHECKED BY
DRAWN BY R.A.M. 4/07/00
OFFICE Pittsburgh, PA




LEGEND:

| | |
|---|---|
| AT | ABOVE GROUND TANK |
| UT | UNDERGROUND TANK |
| *PRA* | POTENTIAL RELEASE AREA |
| ▲ | SURFACE SOIL/SEDIMENT SAMPLE LOCATION |
| ◉ | SURFACE AND AT-DEPTH SOIL SAMPLE LOCATION |
| ⊗ | AT DEPTH SOIL SAMPLE LOCATION |
| ✱ | SURFACE WATER AND SEDIMENT SAMPLE LOCATION |
| ♦ | DESTRUCTIVE CONCRETE CHIP SAMPLE LOCATION |
| ← | APPROXIMATE GROUNDWATER FLOW DIRECTION (BASED ON TOPOGRAPHY) |

SOP-ASB021-70001 SAMPLE I.D.

NOTES:

1. GROUNDWATER FLOW DIRECTION IS NOT BASED ON THE COLLECTION OF FIELD DATA AND THUS MAY NOT REFLECT ACTUAL CONDITIONS.
2. ANALYTICAL RESULTS SHOWN FOR ONLY THOSE SAMPLE RESULTS EXCEEDING A CAL AND/OR BACKGROUND LEVELS.

REFERENCE:

DAMES & MOORE DRAWING-"FIGURE 2 - PLOT PLAN"

IT CORPORATION

COLUMBIA GAS TRANSMISSION CORPORATION

FIGURE 4-4
ANALYTICAL RESULTS WHICH EXCEED CALS AND BACKGROUND - SOUTH

SOUTH POINT FORMER COMPRESSOR STATION
LAWRENCE COUNTY, OHIO

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Plot Date/Time: 12/16/99 01:30pm
Plotted by: smith_a
Image: SCAN-1_1
Xref: .

Ten Polynuclear Aromatic Hydrocarbon (PAH) constituents were detected in the background soil samples. Each of the 10 detected PAH constituents were detected only in surface soil samples collected at the 0 to 1-foot interval. Also, each of the 10 PAH constituents were detected in samples SOP-ASS001-40001 and SOP-ASS005-40001. The PAH constituent (Fluoranthene) with the highest concentration (4.1 mg/kg) was detected in SOP-ASS001-40001. The second highest Fluoranthene concentration (2.2 mg/kg) was detected at SOP-ASS005-40001. PAHs detected in the background sample is likely related to materials used in the construction and maintenance of Solida Road and vehicular traffic that uses Solida Road.

PAH detections exceeding CALs include Benzo(a)anthracene (CAL 0.87 mg/kg), Benzo(a)pyrene (CAL 0.087 mg/kg), Benzo(b)fluoranthene (CAL 0.87 mg/kg), and Indeno(1,2,3-c,d)pyrene (CAL 0.87 mg/kg). Benzo(a)anthracene exceeded the CAL in background sample SOP-ASS001-40001 (1.5 mg/kg). Benzo(a)pyrene exceeded the CALs in samples SOP-ASS001-40001 (1.8 mg/kg), SOP-ASS002-40001 (0.52 mg/kg), SOP-ASS004-40001 (0.44 mg/kg), SOP-ASS005-40001 (0.98 mg/kg). Benzo(b)fluoranthene exceeded the CALs in samples SOP-ASS001-40001 (2.5 mg/kg) and SOP-ASS005-40001 (1.2 mg/kg). Indeno(1,2,3-c,d)pyrene exceeded the CAL in background sample SOP-ASS001-40001 (1.5 mg/kg).

The PCB constituent Aroclor-1260 was detected below the CAL at two background soil sample locations. Aroclor-1260 was detected in SOP-ASB004-70001 at 0.082 mg/kg and in SOP-ASS004-40001 at 0.058 mg/kg. Therefore, no background levels were calculated for PCBs.

Table 1 Metal constituents, with the exception of Arsenic, were detected below the CALs. Arsenic was detected above the CAL (0.43 mg/kg) in all 15 background samples at concentrations ranging from 6.9 mg/kg (SOP-ASB003-70001) to 13.4 mg/kg (SOP-ASS004-40001).

The maximum detected concentration in the background samples and a concentration equal to two times the arithmetic mean of concentrations detected in background were determined for each constituent detected (Appendix I - Site Background Calculations). As provided for in the CWP, the higher of these two values was used to establish the background concentration for specific constituents at the site. Background calculations were not performed for VOC and PCB constituents detected in the background samples. The following are the results of the site background calculations:

| Analyte | Background Calculation Level (mg/kg) |
|---|---|
| Benzo(g,h,i)perylene | 1.40 |
| Indeno(1,2,3-c,d)pyrene | 1.50 |
| Benzo(a)anthracene | 1.50 |
| Benzo(a)pyrene | 1.80 |
| Benzo(b)fluoranthene | 2.50 |
| Benzo(k)fluoranthene | 1.10 |
| Chrysene | 2.10 |
| Fluoranthene | 4.10 |
| Phenanthrene | 1.70 |
| Pyrene | 3.90 |
| Arsenic | 17.16 |
| Barium | 252 |
| Beryllium | 1.50 |
| Chromium | 32.9 |
| Lead | 46.2 |
| Nickel | 38.0 |

### *4.3.2 PCB Random Sampling Analytical Results*

Four surface soil samples (0.0-0.5 feet bgs) were collected and submitted to the laboratory for PCB analyses. Analytical results indicated that PCBs were detected below the CAL (1 mg/kg) in two of the soil samples. Aroclor-1260 was detected in samples SOP-ASS008-40001 (0.074 mg/kg) and SOP-ASS009-40001 (0.053 mg/kg).

### *4.3.3 Site Characterization Analytical Results*

***PRA #1 Former 5,000-gallon Pipeline Liquids AT***

One surface soil sample (0.0-1.0 feet bgs) and two subsurface soil samples (one at 2.0-2.5 feet and one at 3.0-4.0 feet bgs) were collected and submitted to the laboratory for BTEX and PCB analyses. Analytical results for the soil samples indicated that BTEX and PCB constituents were not detected.

***PRA #2 Former 500-gallon Waste Oil UT***

One subsurface sample (4.0-5.0 feet bgs) was collected and submitted to the laboratory for BTEX, PCB, PAH, and Lead analyses. Analytical results for the soil sample indicated that these constituents were not detected.

***PRA #3 Former 2,750-gallon Antifreeze ATs / Former 2,500-gallon Oil UTs***

Two surface soil samples (0.0-1.0 feet bgs) and six subsurface soil samples (two at 2.0-2.5 feet, two at 3.5-4.0 feet and two at 5.0-6.0 feet bgs) were collected and submitted to the laboratory for

BTEX, PCB, PAH, and Lead analyses. Analytical results indicated that these constituents were either not detected or detected below the CALs.

***PRA #4 Former 1,800-gallon Scrubber Oil UT***

One subsurface soil sample (4.0-5.0 feet bgs) was collected and submitted to the laboratory for BTEX, PCB, PAH, and Lead analyses. Analytical results indicated that these constituents were not detected.

***PRA #5 Former 2,000-gallon New Oil /Pipeline Liquids UT***

One subsurface soil sample (5.0-6.0 feet bgs) was collected and submitted to the laboratory for BTEX, PCB, PAH, and Lead analyses. Analytical results indicated that these constituents were not detected.

***PRA #6 Former Transformer Area***

Two surface soil samples (0.0-1.0 feet bgs) were collected and submitted to the laboratory for PCB analyses. Analytical results indicated that PCB constituents, Aroclor-1254 and Aroclor-1260, were detected above the CALs (1 mg/kg for both) in one of the samples. Aroclor-1254 and Aroclor-1260 were detected in sample SOP-ASS010-40001 at 46 mg/kg and 15 J mg/kg, respectively.

***PRA #7 Former Burn Pit / Trash Areas***

Three surface soil samples (0.0-1.0 feet bgs) and eight subsurface soil samples (three at 2.0-2.5 feet, three at 3.5-4.0 feet, one at 4.5-5.0 feet, and one at 5.0-5.5 feet bgs) were collected and submitted for Table 1 analyses. Analytical results indicated that the PCB constituent, Aroclor-1254, was detected above the CAL in one soil sample. Aroclor-1254 was detected in one surface soil sample at a concentration of 5.2 mg/kg (SOP-ASB007-70001). The results indicated that VOC, PAH, and PCB constituents were either not detected or detected below CALs in the other soil samples collected from this location. Table 1 Metal constituents were detected below the CALs except for Arsenic. Arsenic was detected in all of the soil samples from this PRA, at concentrations below the background level of 17.16 mg/kg.

***PRA #8 Former Reservoir***

Four surface soil samples (0.0-1.0 feet bgs) and seven subsurface soil samples (three at 4.5-5.0 feet, one at 5.0-6.0 feet, two at 6.0-7.0 feet, and one at 7.5-8.0 feet bgs) were collected and submitted for Table 1 analyses. Analytical results indicated that PAH and PCB constituents were not detected. VOC constituents were either not detected or detected below CALs. Table 1 Metal constituents were detected below the CALs and/or background with the exception of one

sample. Arsenic was detected at 18.2 mg/kg in one surface soil sample (SOP-ASB010-70001) above the background level of 17.16 mg/kg.

***PRA #9 Solida Creek***

Three surface water samples, one duplicate surface water sample, five sediment samples, and one duplicate sediment sample were collected and submitted to the laboratory for Table 1 analyses. Analytical results of both surface water and sediment samples indicated that VOC, PAH, and PCB constituents were either not detected or detected below the CALs. Table 1 Metal constituents were detected below the CALs and/or background with the exception of Arsenic. Arsenic was detected above background (17.16 mg/kg) at a concentration of 17.3 mg/kg in sample SOP-ASD003-30001.

***PRA #10 Drainage Channel***

Three sediment samples and one surface water sample were collected and submitted to the laboratory for Table 1 analyses. The analytical results of the sediment samples indicated that VOC and PCB constituents were not detected or detected below CALs. PAHs were detected above the CALs and background levels in sediment sample SOP-ASD006-30001. PAH constituents detected above the CALs and background levels were Dibenzo(a,h)anthracene (1.3 mg/kg), Indeno(1,2,3-c,d)pyrene (5.2 mg/kg), Benzo(a)anthracene (8.1 mg/kg), Benzo(a)pyrene (7 mg/kg), and Benzo(b)fluoranthene (8.5 mg/kg). Table 1 Metal constituents were detected below the CALs and/or background at the three sediment sample locations.

Analytical results for the surface water sample indicated that VOC, PCB, PAH, and Table 1 Metal constituents were not detected or detected below CALs with the exception of Total Lead. Total Lead was detected above the CAL (15 ug/L for Lead in groundwater) in sample SOP-ASW004-20001 at a concentration of 28.6 ug/L.

***PRA #11 Former Cistern***

Three subsurface soil samples (one at 2.0-3.0 feet and two at 3.0-4.0 feet bgs) and one duplicate subsurface soil sample were collected and submitted to the laboratory for Table 1 analyses. Analytical results indicated that VOC, PCB, PAH, and Table 1 Metal constituents were either not detected or detected below the CALs and/or background.

***PRA #12 Former CAS/Auxiliary Building***

Six concrete chip samples and one duplicate concrete chip sample were collected and submitted to the laboratory for PCB analyses. Analytical results indicated that PCB constituents Aroclor-1254 and Aroclor-1260 were detected above the CAL (1 mg/kg total) in all of the samples from this PRA. Concentrations are listed below:

***PRA #21 Former Drum Storage Area***

Two surface soil samples (0.0-1.0 feet bgs) and one duplicate surface soil sample were collected and submitted to the laboratory for Table 1 analyses. Analytical results indicated that VOCs and PCBs were not detected or were detected below CALs. PAHs were detected above the CALs in all of the soil samples. PAH constituents detected above CALs and background levels in sample SOP-ASS015-40001 include Benzo(a)anthracene (2.5 mg/kg), Benzo(a)pyrene (2.5 mg/kg), and Benzo(b)fluoranthene (3.6 mg/kg). The average concentrations of PAH constituents of SOP-ASS016-40001 and SOP-ASS016-41001 that exceeded CALs and background levels include Dibenzo(a,h)anthracene (0.66 mg/kg), Indeno(1,2,3-c,d)pyrene (2.55 mg/kg), Benzo(a)anthracene (5.65 mg/kg), Benzo(a)pyrene (5.5 mg/kg), and Benzo(b)fluoranthene (7.85 mg/kg). Table 1 Metal constituents were detected below CALs and/or background levels.

***PRA #22 Fin Fan Units / Former Cooling System***

Eight surface soil samples (0.0-1.0 feet bgs) were collected and submitted to the laboratory for BTEX and PCB analyses. Analytical results indicated that BTEX and PCB constituents were either not detected or detected below CALs.

***PRA #23 Former Gas Scrubber and Gas Cleaners***

Two surface soil samples (0.0-1.0 feet bgs) and four subsurface soil samples (two at 2.0-2.5 feet and two at 3.5-4.0 feet bgs) were collected and submitted to the laboratory for BTEX and PCB analyses. Analytical results indicated that BTEX constituents were not detected and PCB constituents were detected at concentrations below the CALs.

***PRA #24 Catch Basins***

Two sediment samples and one surface water sample were collected and submitted to the laboratory for Table 1 analyses. Analytical results indicated that VOC constituents were not detected or detected below CALs. PAHs were detected at concentrations exceeding the CALs in both sediment samples (SOP-ASD009-30001 and SOP-ASD010-30001). Respective PAH constituents exceeding CALs were Indeno(1,2,3-c,d)pyrene (8.2 mg/kg and 2 mg/kg), Benzo(a)anthracene (11 mg/kg and 2.4 mg/kg), Benzo(a)pyrene (12 mg/kg and 2.4 mg/kg), and Benzo(b)fluoranthene (15 mg/kg and 3.2 mg/kg). PCBs were detected at concentrations exceeding the CALs in one sediment sample (SOP-ASD010-30001). The PCB constituent exceeding the CAL was Aroclor-1254 (1,200 mg/kg). Table 1 Metals were either not detected or detected below CALs and/or background with the exception of one sample. Arsenic was detected in sediment sample SOP-ASD010-30001 exceeding the CAL and background level (17.16 mg/kg) for Arsenic at a concentration of 29.7 mg/kg.

# *APPENDIX D*

# *SOIL BORING LOGS*

PRA: Background

IT CORPORATION
*A Member of The IT Group*

# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB001 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 3.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | 0.0-1.0' | 70001 | brown sandy SILT, moist, medium stiff, noted organic matter | OL | 0.0 | |
| 2 | 2.0-3.0' | 70002 | brown silty SAND, moist, loose | SM | 0.0 | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

IT CORPORATION
*A Member of The IT Group*

# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB002 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 3.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | 0.0-1.0' | 70001 | brown to black sandy SILT, with gravel | GM | 0.0 | |
| 2 | 2.0-3.0' | 70002 | brown sandy SILT, moist, soft | ML | 0.0 | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

IT CORPORATION
*A Member of The IT Group*

# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB003 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 3.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | 0.0-1.0' | 70001 | brown to red lean CLAY, some sand, moist, medium stiff | CL | 0.0 | |
| 2 | 2.0-3.0' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

IT CORPORATION
*A Member of The IT Group*

# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB004 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 3.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | 0.0-1.0' | 70001 | brown sandy SILT, with gravel | ML | 0.0 | |
| 2 | | | brown mottled gray lean CLAY, with fine sand, moist, medium stiff | CL | | |
| 3 | 2.0-3.0' | 70002 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB005 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 3.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | 0.0-1.0' | 70001 | brown sandy SILT, moist, medium stiff | ML | 0.0 | |
| 2 | 2.0-3.0' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS001 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown sandy SILT | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS002 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown sandy SILT | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS003 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown lean CLAY, some sand, moist , soft | CL | 7.1 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS004 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | 0.5' sand stockpile<br>brown mottled gray CLAY, trace sand, moist, medium stiff | CL | 7.7 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Background

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS005 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown sandy SILT | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Random PCBs

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS006 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | yellowish brown SILT, with little clay, moist | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Random PCBs

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS007 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | light brown SILT, with little clay, moist | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Random PCBs

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS008 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | light brown SILT, with little clay, moist | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: Random PCBs

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS009 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | light brown SILT, with little clay, moist | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 1

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB018 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown lean CLAY, some sand, moist, medium stiff | CL | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| | 3.5-4.0' | 70003 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 2

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB019 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 0 | | | brown sandy SILT, moist medium stiff | ML | | |
| 3 | | | brown silty SAND, moist, loose | SM | | |
| 4 | 4.0-5.0 | 70001 | | | 0.0 | |
| 5 | | | brown lean CLAY, trace sand, moist, medium stiff | CL | | |
| 6 | | | brown silty SAND, moist, loose | SM | | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB020 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown sandy SILT, moist, medium stiff | ML | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | brown mottled gray lean CLAY, trace sand, moist, medium stiff | CL | | |
| | 3.5-4.0' | 70003 | | | 0.0 | |
| 4 | | | | | | |
| 5 | 5.0-6.0' | 70004 | | | 0.0 | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 3

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB021 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown sandy SILT, moist, medium stiff | ML | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | brown mottled tan lean CLAY, some sand, moist, medium stiff | CL | | |
| | 3.5-4.0' | 70003 | | | 0.0 | |
| 4 | | | | | | |
| 5 | 5.0-6.0' | 70004 | | | 0.0 | |
| 6 | | | | | | |
| 7 | | | | | | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB022 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brown sandy SILT, moist, medium stiff | ML | | |
| 2 | | | slag, sand, gravel, FILL | | | |
| 3 | | | gray sandy SILT, moist, soft | ML | | |
| 4 | 4.0-5.0' | 70001 | | | 10.2 | |
| 5 | | | brown mottled gray lean CLAY, some sand, moist, medium stiff | CL | | |
| 6 | | | | | | |
| 7 | | | | | | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB023 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brown silty SAND, very moist, loose | SM | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | 5.0-6.0' | 70001 | gray sandy SILT, moist, soft | ML | 0.0 | |
| 6 | | | brown mottled gray lean CLAY, moist, medium stiff | CL | | |
| 7 | | | | | | |

PRA: 6

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS010 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown sandy SILT, moist, soft, organic matter | OL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 6

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS011 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown sandy SILT, moist, soft, organic matter | OL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 7

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB006 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown lean CLAY, with sand, moist, medium stiff | CL | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | brown to gray sandy SILT, moist, medium stiff | ML | | |
| | 3.5-4.0' | 70003 | | | 0.0 | |
| 4 | | | | | | |
| | 4.5-5.0' | 70004 | | | 0.0 | |
| 5 | | | brown medium to coarse SAND, some fines, saturated, loose | SP | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 7

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB007 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown sandy SILT, moist, medium stiff | ML | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| | 3.5-4.0' | 70003 | brown medium SAND, trace fines, saturated, loose | SP | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 7

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB008 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown lean CLAY, some sand, moist, medium stiff | CL | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | brown fine to medium SAND, with silt, moist, soft | SM | | |
| | 3.5-4.0' | 70003 | | | 0.0 | |
| 4 | | | | | | |
| 5 | 5.0-5.5' | 70004 | brown fine to medium SAND, trace silt, saturated, loose | SM | 0.0 | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 8

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB009 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown mottled gray lean CLAY, some sand, moist, medium stiff | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| | 4.5-5.0' | 70002 | | | | |
| 5 | | | brown sandy SILT, very moist, soft | ML | 0.0 | |
| 6 | 6.0-7.0' | 70003 | brown medium SAND, with fines, wet, loose | SP | 0.0 | |
| 7 | | | gray lean CLAY, some sand, moist, medium stiff | CL | | |

PRA: 8

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB010 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown lean CLAY, some sand, moist, medium stiff | CL | 0.0 | |
| 1 | | | gravel, slag, FILL material | | | |
| 2 | | | brown sandy SILT, moist, soft | ML | | |
| 3 | | | | | | |
| 4 | | | | | | |
| | 4.5-5.0' | 70002 | | | 0.0 | |
| 5 | | | | | | |
| 6 | | | | | | |
| | | | brown fine to medium SAND, trace fines, wet, loose | SP | | |
| 7 | | | | | | |
| | 7.5-8.0' | 70003 | | | 0.0 | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB011 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | 0.0-1.0' | 70001 | brown sandy SILT, moist, medium stiff | ML | 0.0 | |
| 2 | | | | | | |
| 3 | | | brown fine to medium SAND, little fines, moist, loose | SP | | |
| 4 | | | brown fine to medium SAND, little fines,wet, loose | | | |
| 5 | 5.0-6.0' | 70002 | | | | |
| 6 | | | gray mottles brown lean CLAY, trace sand, moist, medium stiff, medium plasticity | CL | | |
| 7 | | | | | | |

PRA: 8

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB012 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: (b) (4) | | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | gravel, pavement FILL | | 0.0 | |
| | | | brown lean CLAY, some sand, moist, medium stiff | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | brown silty SAND, moist, loose | SM | | |
| 4 | | | | | | |
| | 4.5-5.0' | 70002 | | | 0.0 | |
| 5 | | | | | | |
| 6 | | | brown fine to medium SAND, trace silt, wet, loose | SP | | |
| 7 | | | | | | |
| | 7.0-8.0' | 70003 | | | 0.0 | |
| | | | gray lean CLAY, some sand, moist, soft | CL | | |

PRA: 9

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# VISUAL CLASSIFICATION OF SOILS

| | | | | |
|---|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | | |
| BORING NUMBER: | SD001 | COORDINATES: Not Surveyed | DATE: 7/25/00 | |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 | |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 | |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 | |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 30001 | brown medium to coarse SAND, some fines, saturated | SP | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 9

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SD002 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 30001 | gray lean CLAY, medium plasticity, some sand, saturated | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 9

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SD003 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: M (b) (4) | | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 30001 | brown medium to coarse SAND, some gray silt, saturated, loose | SM | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 9

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SD004 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 30001 | brown medium to coarse SAND, some gray silt, saturated, loose | SM | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 9

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SD005 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 30001 | brown medium to coarse SAND, with pebbles, saturated, loose | SW | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 10

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SD006 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 30001 | brown lean CLAY, some sand, saturated, soft | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 10

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SD007 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 30001 | brown lean CLAY, some sand, moist, soft | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 10

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SD008 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 30001 | brown lean CLAY, some sand, moist, soft | CL | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 11

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB013 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 3.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brown fine to medium SAND, trace silt, moist, loose | SP | | |
| 2 | 2.0-3.0' | 70001 | | | 0.0 | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 11

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB014 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brown sandy SILT, moist, medium stiff | ML | | |
| 2 | | | | | | |
| 3 | 3.0-4.0' | 70001 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 11

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB015 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brown sandy SILT, moist, medium stiff | ML | | |
| 2 | | | | | | |
| 3 | 3.0-4.0' | 70001 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 13

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS012 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown medium SAND, trace fines, moist, loose | SP | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 13

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS013 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown medium SAND, trace fines, moist, loose | SP | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 14

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS014 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | 0.2' gravel<br>brown fine to coarse SAND | SP | 0.0 | |
| 1 | | | brown clay | CL | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 15

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB024 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown sandy SILT, moist, soft | ML | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| | 3.5-4.0' | 70003 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 16

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS017 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | 0.1' gravel<br>brown sandy SILT, damp, soft | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 16

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS018 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown sandy SILT, damp, soft | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 17

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS019 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown sandy SILT, damp, soft, noted gravels and organics | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 17

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS020 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown sandy SILT, damp, soft | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 17

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS021 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown sandy SILT, damp, soft | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 17

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS022 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown sandy SILT, damp, soft | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 17

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS023 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown sandy SILT, damp, soft | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 17

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS024 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 0.5' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-0.5' | 40001 | brown sandy SILT, damp, soft | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 18

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB025 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown sandy SILT, moist, soft | ML | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| | 3.5-4.0' | 70003 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 19

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS025 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown sandy SILT, soft, moist, organic matter | OL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 19

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS026 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown sandy SILT, soft, moist, organic matter | OL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS027 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown sandy SILT, soft, moist, organic matter | OL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 19

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS028 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown sandy SILT, soft, moist, organic matter | OL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 19

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS029 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown sandy SILT, moist, soft | ML | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 20

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS030 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown sandy SILT, some gravels, moist, loose | GM | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 20

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS031 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown sandy SILT, some gravels, moist, loose | GM | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 20

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS032 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown sandy SILT, some gravels, moist, loose | GM | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 21

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS015 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown sandy SILT, damp, soft, organic matter | OL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS016 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown sandy SILT, damp, soft, organic matter | OL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 22

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS033 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown silty CLAY, trace sand, moist, soft, noted organics | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 22

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS034 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown silty CLAY, trace sand, moist, soft, noted organics | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 22

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS035 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown silty CLAY, trace sand, moist, soft, noted organics | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 22

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS036 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown silty CLAY, trace sand, moist, soft, noted organics | CL | 0.0 | |
| 1 | | | gray CLAY, with organic matter | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 22

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS037 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown silty CLAY, trace sand, moist, soft, noted organics | CL | 6.0 | |
| 1 | | | gray CLAY, with organic matter | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 22

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS038 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown silty CLAY, trace sand, moist, soft, noted organics | CL | 0.0 | |
| 1 | | | gray CLAY, with organic matter | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 22

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS039 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown lean CLAY, trace sand, moist, medium stiff, noted organic matter | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 22

IT CORPORATION
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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SS040 | COORDINATES: Not Surveyed | DATE: 7/24/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/24/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/24/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 40001 | brown lean CLAY, trace sand, moist, medium stiff, noted organic matter | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 23

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB026 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown sandy SILT, moist, medium stiff | ML | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| | 3.5-4.0' | 70003 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | | |
|---|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | | |
| BORING NUMBER: | SB027 | COORDINATES: Not Surveyed | DATE: 7/27/00 | |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 | |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 7/27/00 | |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 | |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown sandy SILT, moist, soft | ML | 0.0 | |
| 1 | | | | | | |
| 2 | 2.0-2.5' | 70002 | | | 0.0 | |
| 3 | | | | | | |
| | 3.5-4.0' | 70003 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 24

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# VISUAL CLASSIFICATION OF SOILS

| | | | | |
|---|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | | |
| BORING NUMBER: | SD009 | COORDINATES: Not Surveyed | DATE: 7/25/00 | |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 | |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 | |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 | |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 30001 | brown sandy SILT, moist, soft | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 24

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SD010 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 30001 | black SAND and SILT, saturated, soft, petroleum odor | SM | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

PRA: 25

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SD011 | COORDINATES: Not Surveyed | DATE: 7/25/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/25/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 1.0' | DATE COMPLETED: 7/25/00 |
| DRILLING METHODS: | Hand Auger | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0 | 30001 | brown SILT, wood chips, paint chips | ML | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB016 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brown sandy SILT, moist, medium stiff | SM | | |
| 2 | | | | | | |
| 3 | | | | | | |
| | 3.5-4.0' | 70001 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB017 | COORDINATES: Not Surveyed | DATE: 7/26/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/26/00 |
| ENGINEER/GEOLOGIST: M(b) | | TOTAL BORING DEPTH: 4.0' | DATE COMPLETED: 7/26/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brown mottled gray lean CLAY, some sand, moist, medium stiff, noted organic matter | CL | | |
| 2 | | | | | | |
| 3 | | | | | | |
| | 3.5-4.0' | 70001 | | | 0.0 | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB028 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: (b) (4) | | TOTAL BORING DEPTH: 12.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 2 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown lean CLAY, some sand, moist, medium stiff | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | brown sandy SILT, moist, soft | ML | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| | 7.5-8.0' | 70002 | gray fine to medium SAND, trace fines, wet, loose | SP | 0.0 | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | | |
|---|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | | |
| BORING NUMBER: | SB028 | COORDINATES: Not Surveyed | DATE: 7/27/00 | |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 | |
| ENGINEER/GEOLOGIST: (b) (4) | | TOTAL BORING DEPTH: 12.0' | DATE COMPLETED: 7/27/00 | |
| DRILLING METHODS: | Geoprobe | | PAGE: 2 of 2 | |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 9 | | | gray fine to medium SAND, trace fines, saturated, loose | SP | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB029 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 4.5' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown lean CLAY, some sand, damp, medium stiff | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | brown mottled gray lean CLAY, some sand, moist, medium stiff | CL | | |
| 3 | | | | | | |
| 4 | | | 4.5' refusal on BRICK | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB030 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: (b) (4) | | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | brown lean CLAY, some sand, moist, stiff | CL | 0.0 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | brown mottled gray lean CLAY, some sand, moist, medium stiff | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | 7.0-8.0' | 70002 | brown/gray SAND, little silt, wet, soft | SM | 0.0 | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB031 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: | (b) (4) | TOTAL BORING DEPTH: 8.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| | 0.0-1.0' | 70001 | 0.5' crush and run STONE | | 0.0 | |
| | | | black lean CLAY, little sand, moist, stiff | CL | | |
| 1 | | | brown sandy SILT, moist, medium stiff | ML | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | gray sandy SILT, wet, soft | ML | | |
| | | | saturated at 8.0' | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| | 7.0-8.0' | 70002 | | | 0.0 | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB032 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: (b) (4) | | TOTAL BORING DEPTH: 3.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brown lean CLAY, with sand, moist, stiff | CL | | |
| 2 | | | brown medium SAND, little silt, moist, loose | SM | | |
| | 2.5-3.0' | 70001 | | | 0.0 | |
| 3 | | | 3.0' refusal on concrete - FOUNDATION | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

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# VISUAL CLASSIFICATION OF SOILS

| | | | |
|---|---|---|---|
| PROJECT NUMBER: | | PROJECT NAME: South Point | |
| BORING NUMBER: | SB033 | COORDINATES: Not Surveyed | DATE: 7/27/00 |
| ELEVATION: | N/A | GROUNDWATER LEVEL: N/A | DATE STARTED: 7/27/00 |
| ENGINEER/GEOLOGIST: (b) (4) | | TOTAL BORING DEPTH: 2.0' | DATE COMPLETED: 7/27/00 |
| DRILLING METHODS: | Geoprobe | | PAGE: 1 of 1 |

| DEPTH (ft) | SAMPLE INTERVAL | SAMPLE NUMBER | DESCRIPTION | USCS SYMBOL | HNu data (ppm) | Remarks |
|---|---|---|---|---|---|---|
| 1 | | | brown lean CLAY, little sand, moist, medium stiff | CL | | |
| | 1.5-2.0' | 70001 | | | 0.0 | |
| 2 | | | 2.0' refusal on concrete - FOUNDATION | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

# *APPENDIX I*

# *SITE BACKGROUND CALCULATIONS*

**ARSENIC BACKGROUND LEVEL WORKSHEET**
**SOUTH POINT FORMER COMPRESSOR STATION**
**LAWRENCE COUNTY, OHIO**

| BACKGROUND SAMPLES | ARSENIC (mg/kg) | | |
|---|---|---|---|
| SOP- ASB001-70001 | 8.4 | | |
| SOP- ASB001-70002 | 7.9 | | |
| SOP- ASB002-70001 | 7.8 | | |
| SOP- ASB002-70002 | 8.7 | | |
| SOP- ASB003-70001 | 6.9 | | |
| SOP- ASB003-70002 | 7.6 | | |
| SOP- ASB004-70001 | 9.4 | | |
| SOP- ASB004-70002 | 7.8 | | |
| SOP- ASB005-70001 | 8 | | |
| SOP- ASB005-70002 | 7 | | |
| SOP- ASS001-40001 | 8.8 | | |
| SOP- ASS002-40001 | 7.5 | | |
| SOP- ASS003-40001 | 11.2 | | |
| SOP- ASS004-40001 | 13.4 | | |
| SOP- ASS005-40001 | 8.3 | | |
| **Average Concentration** | **8.58** | X 2 = | **17.16** |

**Calculated background concentration - 17.16 mg/kg**
**Maximum detected concentration - 13.40 mg/kg**

**SELECTED SITE BACKGROUND LEVEL - 17.16 mg/kg**

Notes:

Based on Data Collection and Evaluation Human Health and Risk Asessment Bulletin No.2, Supplemental Guidance to Risk Assessment Guidance to Superfund. Office of Technical Services, USEPA Region IV, October, 1996.

According to USEPA, Region IV, two times the average background concentration or the maximum background concentration may be used as site background concentration

**BARIUM BACKGROUND LEVEL WORKSHEET**
**SOUTH POINT FORMER COMPRESSOR STATION**
**LAWRENCE COUNTY, OHIO**

| BACKGROUND SAMPLES | BARUIM (mg/kg) | | |
|---|---|---|---|
| SOP- ASB001-70001 | 126 | | |
| SOP- ASB001-70002 | 118 | | |
| SOP- ASB002-70001 | 107 | | |
| SOP- ASB002-70002 | 128 | | |
| SOP- ASB003-70001 | 106 | | |
| SOP- ASB003-70002 | 140 | | |
| SOP- ASB004-70001 | 112 | | |
| SOP- ASB004-70002 | 119 | | |
| SOP- ASB005-70001 | 102 | | |
| SOP- ASB005-70002 | 143 | | |
| SOP- ASS001-40001 | 113 | | |
| SOP- ASS002-40001 | 93.9 | | |
| SOP- ASS003-40001 | 158 | | |
| SOP- ASS004-40001 | 217 | | |
| SOP- ASS005-40001 | 107 | | |
| **Average Concentration** | **125.99** | X 2 = | **251.99** |

**Calculated background concentration - 251.99 mg/kg**
**Maximum detected concentration - 217.00 mg/kg**

**SELECTED SITE BACKGROUND LEVEL - 251.99 mg/kg**

Notes:

Based on Data Collection and Evaluation Human Health and Risk Asessment Bulletin No.2, Supplemental Guidance to Risk Assessment Guidance to Superfund. Office of Technical Services, USEPA Region IV, October, 1996.

According to USEPA, Region IV, two times the average background concentration or the maximum background concentration may be used as site background concentration

**BERYLLIUM BACKGROUND LEVEL WORKSHEET**
**SOUTH POINT FORMER COMPRESSOR STATION**
**LAWRENCE COUNTY, OHIO**

| BACKGROUND SAMPLES | BERYLLIUM (mg/kg) | | |
|---|---|---|---|
| SOP- ASB001-70001 | 0.6 | U | |
| SOP- ASB001-70002 | 0.65 | U | |
| SOP- ASB002-70001 | 0.55 | U | |
| SOP- ASB002-70002 | 0.6 | U | |
| SOP- ASB003-70001 | 0.6 | U | |
| SOP- ASB003-70002 | 0.6 | U | |
| SOP- ASB004-70001 | 0.6 | U | |
| SOP- ASB004-70002 | 0.6 | U | |
| SOP- ASB005-70001 | 0.6 | U | |
| SOP- ASB005-70002 | 0.65 | U | |
| SOP- ASS001-40001 | 0.6 | U | |
| SOP- ASS002-40001 | 0.6 | U | |
| SOP- ASS003-40001 | 0.6 | U | |
| SOP- ASS004-40001 | 1.5 | | |
| SOP- ASS005-40001 | 0.65 | U | |
| **Average Concentration** | **0.67** | X 2 = | **1.33** |

**Calculated background concentration - 1.33 mg/kg**
**Maximum detected concentration - 1.50 mg/kg**

**SELECTED SITE BACKGROUND LEVEL - 1.50 mg/kg**

Notes:

Based on Data Collection and Evaluation Human Health and Risk Asessment Bulletin No.2, Supplemental Guidance to Risk Assessment Guidance to Superfund. Office of Technical Services, USEPA Region IV, October, 1996.

According to USEPA, Region IV, two times the average background concentration or the maximum background concentration may be used as site background concentration

U - Indicates non-detect at half detection limit.

**CHROMIUM BACKGROUND LEVEL WORKSHEET**
**SOUTH POINT FORMER COMPRESSOR STATION**
**LAWRENCE COUNTY, OHIO**

| BACKGROUND SAMPLES | CHROMIUM (mg/kg) | | |
|---|---|---|---|
| SOP- ASB001-70001 | 18.1 | | |
| SOP- ASB001-70002 | 17.5 | | |
| SOP- ASB002-70001 | 13.6 | | |
| SOP- ASB002-70002 | 12.7 | | |
| SOP- ASB003-70001 | 15.8 | | |
| SOP- ASB003-70002 | 17.6 | | |
| SOP- ASB004-70001 | 15.7 | | |
| SOP- ASB004-70002 | 21 | | |
| SOP- ASB005-70001 | 13.5 | | |
| SOP- ASB005-70002 | 15.7 | | |
| SOP- ASS001-40001 | 16 | | |
| SOP- ASS002-40001 | 14.6 | | |
| SOP- ASS003-40001 | 20.1 | | |
| SOP- ASS004-40001 | 20.9 | | |
| SOP- ASS005-40001 | 13.6 | | |
| **Average Concentration** | **16.43** | X 2 = | **32.85** |

**Calculated background concentration - 32.85 mg/kg**
**Maximum detected concentration - 21.00 mg/kg**

**SELECTED SITE BACKGROUND LEVEL - 32.85 mg/kg**

Notes:

Based on Data Collection and Evaluation Human Health and Risk Asessment Bulletin No.2, Supplemental Guidance to Risk Assessment Guidance to Superfund. Office of Technical Services, USEPA Region IV, October, 1996.

According to USEPA, Region IV, two times the average background concentration or the maximum background concentration may be used as site background concentration

**LEAD BACKGROUND LEVEL WORKSHEET**
**SOUTH POINT FORMER COMPRESSOR STATION**
**LAWRENCE COUNTY, OHIO**

| BACKGROUND SAMPLES | LEAD (mg/kg) | | |
|---|---|---|---|
| SOP- ASB001-70001 | 12.6 | U | |
| SOP- ASB001-70002 | 12.8 | U | |
| SOP- ASB002-70001 | 11.45 | U | |
| SOP- ASB002-70002 | 12.2 | U | |
| SOP- ASB003-70001 | 11.8 | U | |
| SOP- ASB003-70002 | 12.45 | U | |
| SOP- ASB004-70001 | 11.75 | U | |
| SOP- ASB004-70002 | 12.15 | U | |
| SOP- ASB005-70001 | 12.1 | U | |
| SOP- ASB005-70002 | 12.75 | U | |
| SOP- ASS001-40001 | 35.9 | | |
| SOP- ASS002-40001 | 24.4 | | |
| SOP- ASS003-40001 | 39 | | |
| SOP- ASS004-40001 | 46.2 | | |
| SOP- ASS005-40001 | 12.8 | U | |
| **Average Concentration** | **18.69** | X 2 = | **37.38** |

**Calculated background concentration - 37.38 mg/kg**
**Maximum detected concentration - 46.20 mg/kg**

**SELECTED SITE BACKGROUND LEVEL - 46.20 mg/kg**

Notes:

Based on Data Collection and Evaluation Human Health and Risk Asessment Bulletin No.2, Supplemental Guidance to Risk Assessment Guidance to Superfund. Office of Technical Services, USEPA Region IV, October, 1996.

According to USEPA, Region IV, two times the average background concentration or the maximum background concentration may be used as site background concentration

U - Indicates non-detect at half detection limit.

**NICKEL BACKGROUND LEVEL WORKSHEET**
**SOUTH POINT FORMER COMPRESSOR STATION**
**LAWRENCE COUNTY, OHIO**

| BACKGROUND SAMPLES | NICKEL (mg/kg) | | |
|---|---|---|---|
| SOP- ASB001-70001 | 20.9 | | |
| SOP- ASB001-70002 | 20 | | |
| SOP- ASB002-70001 | 15.3 | | |
| SOP- ASB002-70002 | 14.7 | | |
| SOP- ASB003-70001 | 17.4 | | |
| SOP- ASB003-70002 | 21.5 | | |
| SOP- ASB004-70001 | 17.1 | | |
| SOP- ASB004-70002 | 20.7 | | |
| SOP- ASB005-70001 | 15.8 | | |
| SOP- ASB005-70002 | 18.1 | | |
| SOP- ASS001-40001 | 17.6 | | |
| SOP- ASS002-40001 | 15.4 | | |
| SOP- ASS003-40001 | 23.9 | | |
| SOP- ASS004-40001 | 30.1 | | |
| SOP- ASS005-40001 | 16.8 | | |
| **Average Concentration** | **19.02** | X 2 = | **38.04** |

**Calculated background concentration - 38.04 mg/kg**
**Maximum detected concentration - 30.10 mg/kg**

**SELECTED SITE BACKGROUND LEVEL - 38.04 mg/kg**

Notes:

Based on Data Collection and Evaluation Human Health and Risk Asessment Bulletin No.2, Supplemental Guidance to Risk Assessment Guidance to Superfund. Office of Technical Services, USEPA Region IV, October, 1996.

According to USEPA, Region IV, two times the average background concentration or the maximum background concentration may be used as site background concentration

# *APPENDIX J*

# *BACKGROUND EVALUATION – ARSENIC*

# Appendix J
# Comparison of Site Data and Background Data

## 1.0 Introduction

To determine whether or not environmental data from the site are consistent with background conditions at the site, the site-data are compared to the background data set. Where possible, the statistical software StatMost32™ is used to perform statistical evaluations. Methods used follow those described in several guidance documents, including, but not limited to, the following:

- Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities. Addendum to Final Guidance. Office of Solid Waste, Permits and State Programs Division. U.S. EPA, July, 1992.

- U.S. EPA (1994) Statistical Methods for Evaluating the Attainment of Cleanup Standards, Volume 3.

- U.S. EPA (1998) Guidance for Data Quality Assessment; Practical Methods for Data Analysis. EPA QA/G-9. January 1998.

A brief description of the procedure follows.

## 2.0 Methodology

In order to compare the two sets of data, simple statistical procedures designed to infer differences between two populations sampled (site vs. background) are used. A step-wise procedure (Figure 1) was developed to provide the most powerful statistical test for each comparison without violating underlying test assumptions. The primary objective of the comparison of each data set is to determine if the distributions of the data around the arithmetic mean of each data set are equal.

The Null Hypothesis ($H_0$) states that the site data are consistent with background (U.S. EPA, 1992):

- $H_0$: Site data less than or equal to Background data.

If the Null Hypothesis is not rejected, the site data can be considered consistent with background data. If the Null Hypothesis is rejected, the Alternative Hypothesis ($H_A$) is accepted and the site data are considered to be not consistent with background data:

- $H_A$: Site data are greater than Background data.

For all tests performed, a level of 0.05 was used to determine statistical significance. All tests conducted for comparison of means were one-tailed.

### 2.1 Data Evaluation and Determination of Test Technique

Data in the background data set and data in the site data set are first reviewed to determine the frequency of detection (FOD) and total numbers of valid samples (n) per constituent (Figure 1). Table 1 presents the data for each data set, n, and the FOD. If n is less than or equal to five, or if the FOD is less than 20% in either data set, no further evaluation of that constituent is conducted. If n is between 6 and 9 (including 6 and 9) in either data set, non-parametric statistical methods must be used to compare background data to site data. Non-parametric testing techniques are described below (Section 2.2).

If the data from both data sets pass all criteria above, a test for normal distribution (Shapiro-Wilk's test) is conducted. If either data set fails the normality tests, the data will be transformed (log or natural log) and tested again for normality. Data for any constituent determined to be not normally distributed (after transformation) in either data set is evaluated using non-parametric techniques (Section 2.2). If the data from both data sets were determined to be normally distributed, parametric techniques are used to evaluate the data (Section 2.3). The transformed data will be used for the analysis if transformation was necessary to achieve a normal distribution.

### 2.2 Non-Parametric Techniques

Where the data evaluation presented in Section 2.1 dictates the use of non-parametric techniques, the appropriate test method must be determined. Figure 2 presents a decision tree to determine the appropriate non-parametric test to use. The decision is based on whether the variances of each data set are equal or unequal through the use of a Levene's Test for unequal variances. Where variances are equal, the Wilcoxon Rank-Sum Test (here after the Mann-Whitney U Test) and the Quantile Test are used as the non-parametric tests of comparison of means (both tests assume that the variances of the datasets are equal). In the case of unequal variances, the Kolmogorov-Smirnov Z-test is used as the non-parametric test of comparison of means (this test assumes that the variances of the datasets are unequal).

In either case, if one of the tests indicates that the site data are not consistent with the background data, the two data sets are not equal, and the conclusion is drawn that the site data are not consistent with the background data.

### 2.3 Parametric Techniques

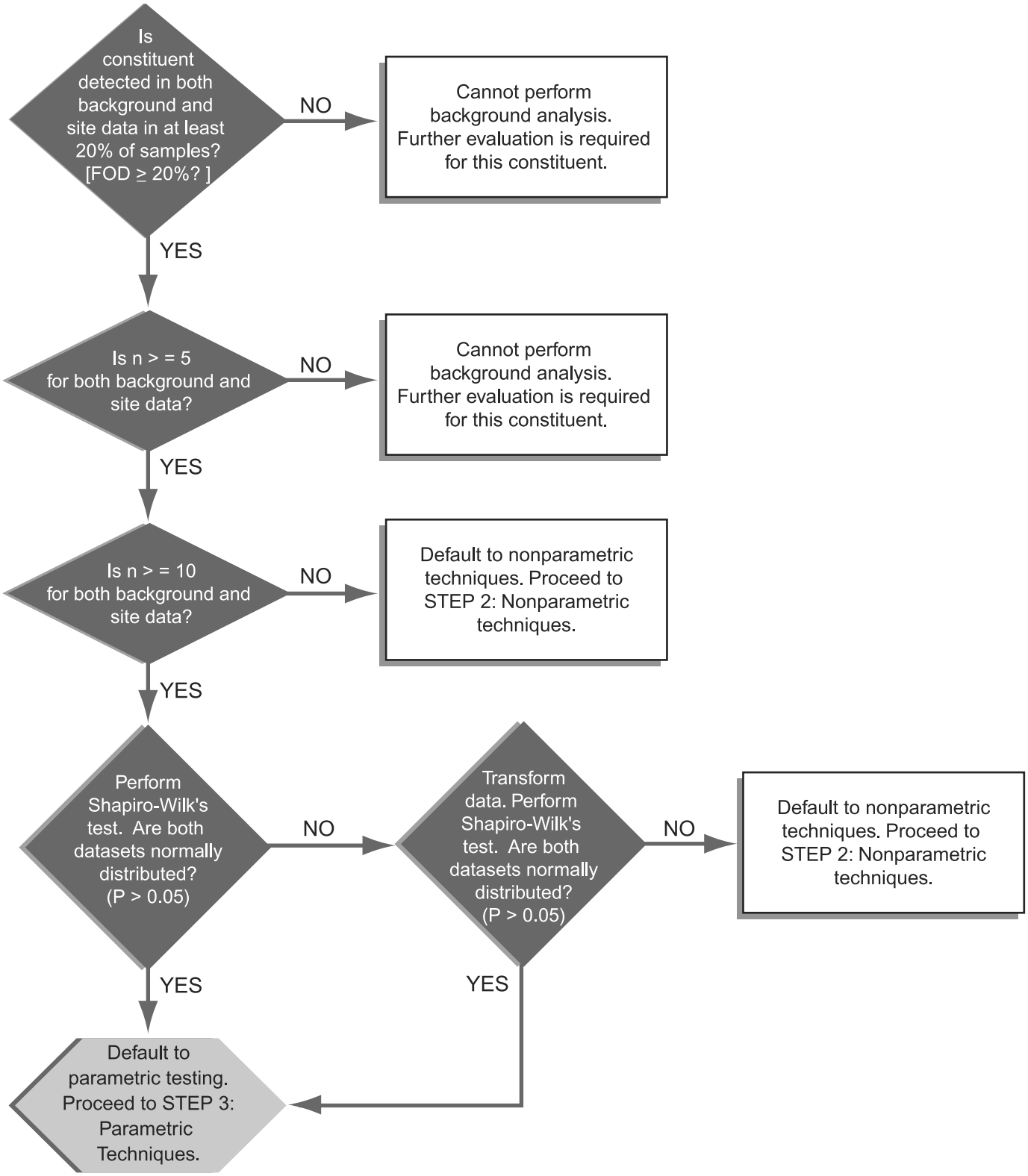
Where the data evaluation presented in Section 2.1 allows the use of parametric techniques, the appropriate test method must be determined. Figure 3 presents a decision tree to determine the appropriate parametric test to use. The decision is based on whether the variances of each data set are equal or unequal through the use of an F-test (the F-test assumes a normal data distribution). Where variances are equal, a general T-test is performed. In the case of unequal variances, an unpaired T-test is used.

In either case (equal or unequal variance), if the test indicates that the site data are not consistent with the background data, the two data sets are not equal, and the conclusion is drawn that the site data are not consistent with the background data (i.e, the Ho must not be rejected by either test in order to conclude that site data are consistent with background data).

## 3.0 Results

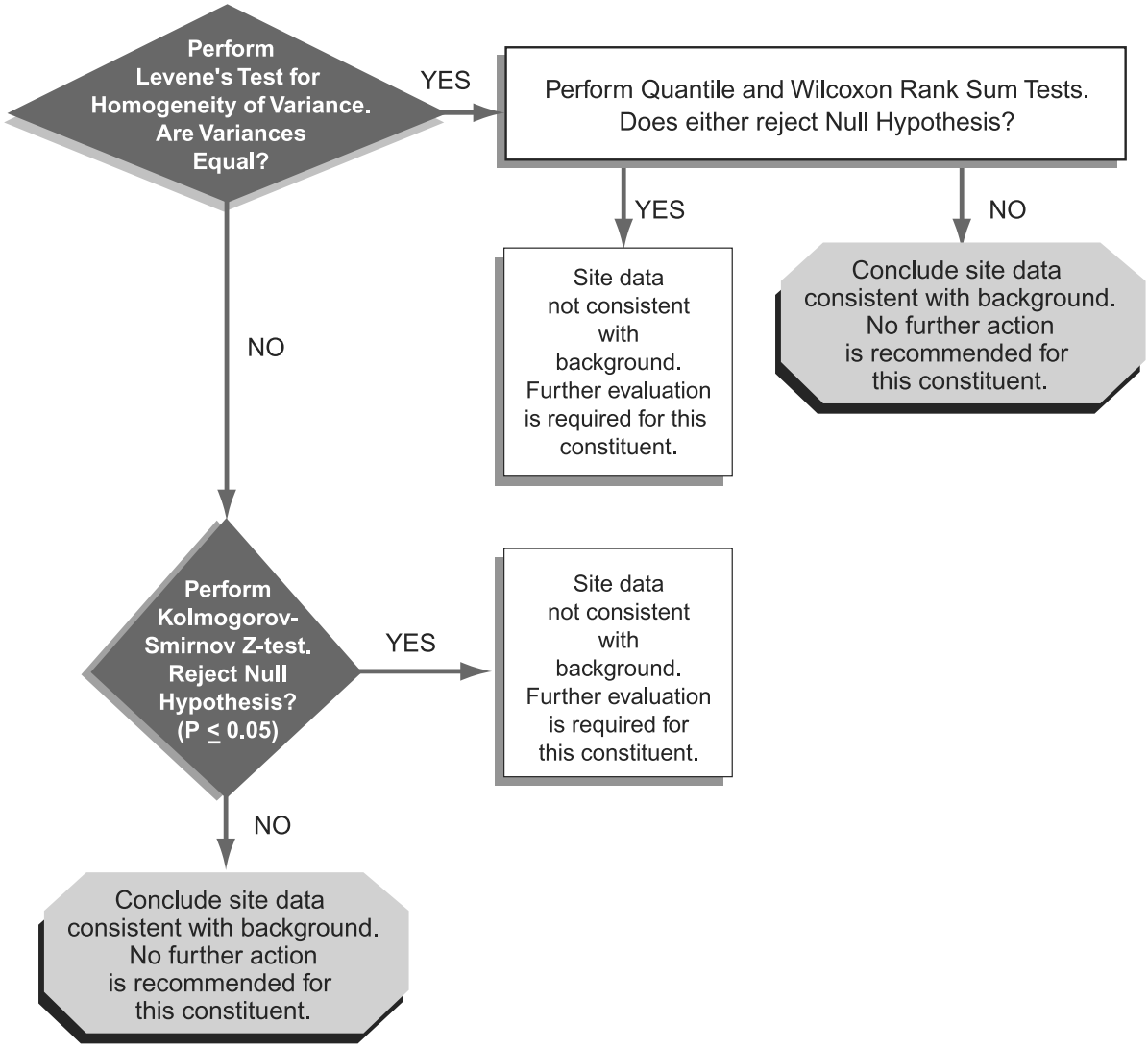
Table 1 presents the Arsenic data for both the background and site data-sets. For both, n and FOD are sufficient to continue. As indicated on the table, n for both datasets is greater than or equal to 10, and FOD for both datasets is greater than or equal to 20%. Therefore, the Shapiro-Wilk's Test for Normality was performed. According to the test (Table 2), neither dataset is normally distributed. Therefore, the data were log transformed. The Shapiro-Wilk's Test was run, and the site data were shown to be normally distributed, however, the background data were not (Table 3). Therefore, non parametric-tests were employed. According to Levene's Test (Table 4), the variances in the datasets are not equal. Therefore, the Kolmogorov-Smirnov Z-test was performed (Table 5). According to this test, site data is consistent with background. Therefore, no further action is recommended for Arsenic at this site.

# Figure 1.
# Evaluation of Data - Step 1




M2K0045A

# Figure 2.
# Nonparametric Techniques - Step 2




M2K0049A

# Figure 3.
# Parametric Techniques - Step 3

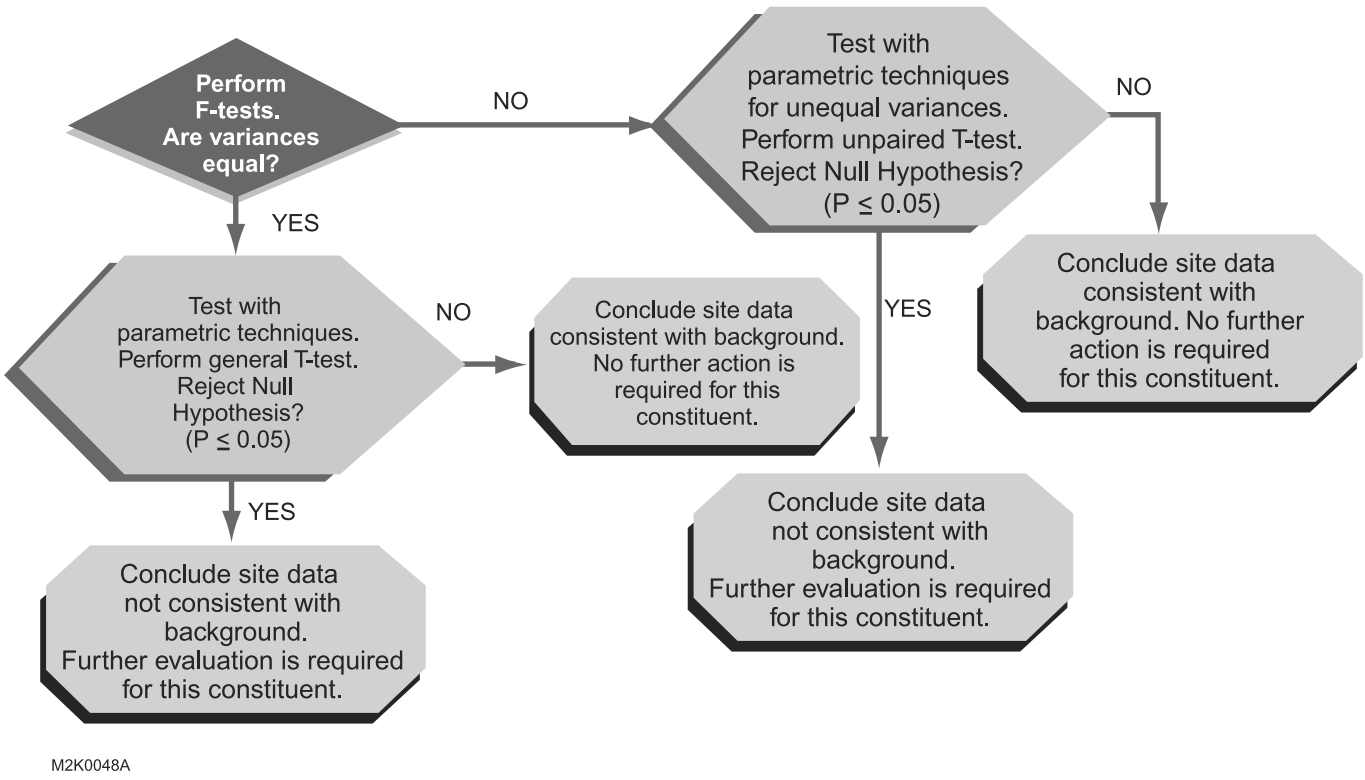


Table 1
Data Evaluation
South Point Compressor Station

| Background Data | | Site Data | |
|---|---|---|---|
| **Sample** | **Concentration (mg/kg)** | **Sample** | **Concentration (mg/kg)** |
| SOP-ASB001-70001 | 8.4 | SOP-ASB006-70001 | 7.7 |
| SOP-ASB001-70002 | 7.9 | SOP-ASB006-70002 | 7.8 |
| SOP-ASB002-70001 | 7.8 | SOP-ASB006-70003 | 10.2 |
| SOP-ASB002-70002 | 8.7 | SOP-ASB006-70004 | 8.4 |
| SOP-ASB003-70001 | 6.9 | SOP-ASB007-70001 | 7.6 |
| SOP-ASB003-70002 | 7.6 | SOP-ASB007-70002 | 6.8 |
| SOP-ASB004-70001 | 9.4 | SOP-ASB007-70003 | 5.9 |
| SOP-ASB004-70002 | 7.8 | SOP-ASB008-70001 | 7.7 |
| SOP-ASB005-70001 | 8 | SOP-ASB008-70002 | 6.7 |
| SOP-ASB005-70002 | 7 | SOP-ASB008-70003 | 7.4 |
| SOP-ASS001-40001 | 8.8 | SOP-ASB008-70004 | 5.2 |
| SOP-ASS002-40001 | 7.5 | SOP-ASB009-70001 | 7.1 |
| SOP-ASS003-40001 | 11.2 | SOP-ASB009-70002 | 9.2 |
| SOP-ASS004-40001 | 13.4 | SOP-ASB009-70003 | 2.1 |
| SOP-ASS005-40001 | 8.3 | SOP-ASB010-70001 | 18.2 |
| | | SOP-ASB010-70002 | 7 |
| | | SOP-ASB010-70003 | 3.7 |
| | | SOP-ASB011-70001 | 6.5 |
| | | SOP-ASB011-70002 | 4 |
| | | SOP-ASB012-70001 | 6.6 |
| | | SOP-ASB012-70002 | 6.1 |
| | | SOP-ASB012-70003 | 5.1 |
| | | SOP-ASD001-30001 | 14.8 |
| | | SOP-ASD001-31001 | 11.8 |
| | | SOP-ASD002-30001 | 8.6 |
| | | SOP-ASD003-30001 | 17.3 |
| | | SOP-ASD004-30001 | 13.3 |
| | | SOP-ASD005-30001 | 14.4 |
| | | SOP-ASD006-30001 | 7.1 |
| | | SOP-ASD007-30001 | 8.7 |
| | | SOP-ASD008-30001 | 9.2 |
| | | SOP-ASB013-70001 | 7.3 |
| | | SOP-ASB014-70001 | 5.5 |
| | | SOP-ASB015-70001 | 8.7 |
| | | SOP-ASB015-71001 | 6.3 |
| | | SOP-ASS014-40001 | 16 |
| | | SOP-ASS015-40001 | 9.7 |
| | | SOP-ASS016-40001 | 16 |
| | | SOP-ASS016-41001 | 16.8 |
| | | SOP-ASD009-30001 | 7.4 |
| | | SOP-ASD010-30001 | 29.7 |
| | | SOP-ASD011-30001 | 14.2 |
| | | SOP-ASB016-70001 | 5.6 |
| | | SOP-ASB017-70001 | 4.5 |
| **Number of Data Points (n):** | **15** | **Number of Data Points (n):** | **44** |
| **Frequency of Detection (FOD):** | **100%** | **Frequency of Detection (FOD):** | **100%** |
| **Conclusion:** | **Continue evaluation** | **Conclusion:** | **Continue evaluation** |

9/18/01

Table 2
Normality Tests

Column Name: [Background]
Sample Size = 15
Number of Missings = 0
Data Mean = 8.5800
Standard Deviation = 1.6988

Shapiro-Wilk Normality Test:
Shapiro-Wilk's W = 0.7820
Probability = 0.0018

The null hypothesis of normality is rejected (p<0.05).

Column Name: [Site]
Sample Size = 44
Number of Missings = 0
Data Mean = 9.3159
Standard Deviation = 5.0652

Shapiro-Wilk Normality Test:
Shapiro-Wilk's W = 0.8392
Probability = 0.0000

The null hypothesis of normality is rejected (p<0.05).

Table 3
Normality Tests

Column Name: [Background]
Sample Size = 15
Number of Missings = 0
Data Mean = 0.9268
Standard Deviation = 0.0760

Shapiro-Wilk Normality Test:
Shapiro-Wilk's W = 0.8515
Probability = 0.0179

The null hypothesis of normality is rejected (p<0.05).

Column Name: [Site]
Sample Size = 44
Number of Missings = 0
Data Mean = 0.9169
Standard Deviation = 0.2132

Shapiro-Wilk Normality Test:
Shapiro-Wilk's W = 0.9727
Probability = 0.5129

The null hypothesis of normality is not rejected (p>0.05).

Table 4
Levene's Test of Homogeneity of Variance
South Point Compressor Station

| Concentration of Constituent | |
|---|---|
| Site | Background |
| 7.7 | 8.4 |
| 7.8 | 7.9 |
| 10.2 | 7.8 |
| 8.4 | 8.7 |
| 7.6 | 6.9 |
| 6.8 | 7.6 |
| 5.9 | 9.4 |
| 7.7 | 7.8 |
| 6.7 | 8 |
| 7.4 | 7 |
| 5.2 | 8.8 |
| 7.1 | 7.5 |
| 9.2 | 11.2 |
| 2.1 | 13.4 |
| 18.2 | 8.3 |
| 7 | |
| 3.7 | |
| 6.5 | |
| 4 | |
| 6.6 | |
| 6.1 | |
| 5.1 | |
| 14.8 | |
| 11.8 | |
| 8.6 | |
| 17.3 | |
| 13.3 | |
| 14.4 | |
| 7.1 | |
| 8.7 | |
| 9.2 | |
| 7.3 | |
| 5.5 | |
| 8.7 | |
| 6.3 | |
| 16 | |
| 9.7 | |
| 16 | |
| 16.8 | |
| 7.4 | |
| 29.7 | |
| 14.2 | |
| 5.6 | |
| 4.5 | |

| Absolute Residuals ($z_{ij}$) | |
|---|---|
| Site | Background |
| 1.62 | 0.18 |
| 1.52 | 0.68 |
| 0.88 | 0.78 |
| 0.92 | 0.12 |
| 1.72 | 1.68 |
| 2.52 | 0.98 |
| 3.42 | 0.82 |
| 1.62 | 0.78 |
| 2.62 | 0.58 |
| 1.92 | 1.58 |
| 4.12 | 0.22 |
| 2.22 | 1.08 |
| 0.12 | 2.62 |
| 7.22 | 4.82 |
| 8.88 | 0.28 |
| 2.32 | |
| 5.62 | |
| 2.82 | |
| 5.32 | |
| 2.72 | |
| 3.22 | |
| 4.22 | |
| 5.48 | |
| 2.48 | |
| 0.72 | |
| 7.98 | |
| 3.98 | |
| 5.08 | |
| 2.22 | |
| 0.62 | |
| 0.12 | |
| 2.02 | |
| 3.82 | |
| 0.62 | |
| 3.02 | |
| 6.68 | |
| 0.38 | |
| 6.68 | |
| 7.48 | |
| 1.92 | |
| 20.38 | |
| 4.88 | |
| 3.72 | |
| 4.82 | |

| Absolute Residuals Squared ($z_{ij}^2$) | |
|---|---|
| Site | Background |
| 2.6244 | 0.0324 |
| 2.3104 | 0.4624 |
| 0.7744 | 0.6084 |
| 0.8464 | 0.0144 |
| 2.9584 | 2.8224 |
| 6.3504 | 0.9604 |
| 11.6964 | 0.6724 |
| 2.6244 | 0.6084 |
| 6.8644 | 0.3364 |
| 3.6864 | 2.4964 |
| 16.9744 | 0.0484 |
| 4.9284 | 1.1664 |
| 0.0144 | 6.8644 |
| 52.1284 | 23.2324 |
| 78.8544 | 0.0784 |
| 5.3824 | |
| 31.5844 | |
| 7.9524 | |
| 28.3024 | |
| 7.3984 | |
| 10.3684 | |
| 17.8084 | |
| 30.0304 | |
| 6.1504 | |
| 0.5184 | |
| 63.6804 | |
| 15.8404 | |
| 25.8064 | |
| 4.9284 | |
| 0.3844 | |
| 0.0144 | |
| 4.0804 | |
| 14.5924 | |
| 0.3844 | |
| 9.1204 | |
| 44.6224 | |
| 0.1444 | |
| 44.6224 | |
| 55.9504 | |
| 3.6864 | |
| 415.3444 | |
| 23.8144 | |
| 13.8384 | |
| 23.2324 | |

| | | |
|---|---|---|
| Group mean ($\underline{x}$) | 9.32 | 8.58 |
| $n_i$ = | 44 | 15 |
| N = | 59 | |

| | | |
|---|---|---|
| Sum of Residuals ($\text{å}z_{ij}$) | 162.66 | 17.2 |
| Square of Sum of Residuals $(\text{å}z_i)^2$ | 26458.28 | 295.84 |
| $(\text{å}z_i)^2/n_i$ | 601.3245455 | 19.72266667 |
| $C = (\text{å}z_i)^2/N$ | **548.2986373** | |
| Residual mean ($\underline{z}_i$) | 3.7 | 1.15 |
| Square of Residual Mean ($\underline{z}_i^2$) | 13.69 | 1.32 |
| $\underline{z}_i^2/n_i$ | 3.4225 | 0.33 |
| Total Residual Mean ($\text{å}\underline{z}$) | 2.43 | |

| | |
|---|---|
| Sum of Square of Residuals $\text{å}(z_i^2)$ | 1103.2196 | 40.404 |

| | |
|---|---|
| $SS_{TOTAL} = (\text{å}(z_{ij}^2)) - C$ | **595.3249627** |
| $SS_{WELLS} = (\text{å}((\text{å}z_i)^2/n_i)) - C$ | **72.74857483** |
| $SS_{ERROR} = SS_{TOTAL} - SS_{WELLS}$ | **522.5763879** |
| $f = \{SS_{WELLS}/(k-1)\}/\{SS_{ERROR}/(N-k)\}$ | 7.94 |

| | |
|---|---|
| numerator *df* = | 1 |
| denominator *df* = | 57 |
| F = | 4 (a) |
| f > F? | Yes |
| **Variances homogeneous?** | **No** |

(a) - Biostatistical Analysis, 3rd edition. 1996. Jerold H. Zar. Prentice Hall.
Appendix B, Table B.5. Numerator = 1, denominator = 60, a (one tailed) =0.05.

Table 5
Kolmogorov-Smirnov Test Results

| ColName | Count | Mean | Std.Dev. | Std.Err. |
|---|---|---|---|---|
| Background | 15 | 0.9268 | 0.0760 | 0.0196 |
| Site | 44 | 0.9169 | 0.2132 | 0.0321 |

| Name | MinSize | K-S Value | Probability |
|---|---|---|---|
| Background vs. Site | 15 | 0.3439 | 0.1417 |

The null hypothesis is not rejected (p>0.05). In conclusion, site data is consistent with background data. No further action is recommended.